STANDARD PRODUCTS CATALOGUE

Save the Children

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Global Logistics and Procurement

INTRODUCTION

WELCOME TO SAVE THE CHILDREN'S STANDARD PRODUCTS CATALOGUE

This catalogue covers the Save the Children standard product range and recommended product specifications for use in the Save the Children programmes.

This catalogue is a tool designed to:

- Set global quality standards and specifications for products and equipment used within our programmes.
- Assist country programmes with budgeting through providing cost estimates of standard products.
- Provide details of the goods that can be procured through the Global Supplies Unit in London.

Through the development of this catalogue we hope to be able to support programmes to plan and budget their supply chain as part of their standard programmes, emergency response and emergency preparedness, whilst maximising efficiency and ensuring the quality of products supplied to beneficiaries.

This catalogue includes:

- Contracted Items - Items for which a contract is in place at the Global Supplies Unit
- Standard Items – Save the Children has no global contract in place for these items, but a global specification has been designed in order to provide a recommended standard.
- Emergency Kits – Sets of items for sector programming in emergencies which have been specified by a Save the Children Technical Advisor
- Emergency Supply Strategy (ESS) – The ESS has been designed to assist first phase emergency response through specifying sets of items required to set up a first-phase emergency response in each programme sector. The ESS also indicates from where these items are can be sourced.

Please refer to the current Global Policies and Guidelines for full information regarding Save the Children procurement.

How to Use the Catalogue

The catalogue is structured in order for you to find information quickly. Items are divided into their relevant sections and all items are listed in the same format, with the headings:

- Description
- Price: Ex Works Estimate (please note these prices are estimates only)
- Technical Specification
- Accessories / Consumables / Spares / Comments
- Packing information

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CATAGORIES OF ITEMS

Contracted Items: marked " CONTRACT "

The Global Supplies Unit has set up and manages a series of global framework contracts for commonly requested items. The selection of suppliers for these contracts was based on open international tender and we have agreed prices, lead times and other service parameters with key suppliers in each area. Should programmes wish to place orders from these contracts this must be done through the Global Supplies Unit in London.

Country programmes are not required to buy items through the Global Supplies Unit, even for items on contract. International procurement should be considered by programmes when the goods and services required are not available on the local market to the right quality, quantity, timeframe or cost in line with the project needs, and it is better value taking into account import costs and restrictions. Local procurement is preferred, if it is better value for money and quality can be assured, to promote the local economy and have a positive impact on the environment.

In order to request quotations from the Global Supplies Unit, country programmes can send an e-mail outlining the specifications and quantity of the goods required. If you require any specific donor rules to be followed then you must notify us of what the requirements are. Within 7 days of days of receiving a clear quotation request, we will send quotations back to the programme to make a decision. Confirmed international orders will only be accepted if they are on the SCUK standard International Request Form and approved by the Country Director.

We aim to ensure all items are despatched from supplier within 4 weeks of receipt of a fully completed International Request Form (transit times for goods would be in addition to this agreed despatch lead time and must be also taken into consideration). If, for reasons out of our control this 4 week lead time cannot be met, we will inform the country programme as early as possible to minimise any problems caused. For medical orders and whilst we are dealing with a rapid onset large scale emergency elsewhere, it is possible that the Global Supplies Unit may not be able to meet this 4 week lead time.

We manage contracts with freight forwarders and charter agents who are based in Europe but can, through their global networks, arrange transport to any destination. Door-to-door customs clearance can be provided through freight agents but the customs costs and any excise or importation duties required will be incurred by the country programme.

Standard Items: marked " STANDARD "

Many of the items specified in the catalogue are not under contract at the Global Supplies Unit. For these items, a general specification and pricing guidance has been provided in order to outline Save the Children recommended standards for these items.

Emergency Kits: marked " KIT "

The Standard Emergency Response Kits have been compiled by the Technical Advisors and Emergencies Logistics team at Save the Children UK as a key Emergency Preparedness tool. The kits should be used in conjunction with the Emergency Standard Operating Procedures to inform preparedness and response planning.

The kits specifications aim to give emergency programme managers and logistics teams a useful tool for:

- Knowing the contents of kits likely to be used in first phase response
- Knowing how much they are likely to cost, their weight, and despatch times

These kits can often be purchased locally, as the materials are usually readily available. For rapid response, or contexts where the local market will not support timely purchase and assembly of suitable specification or quality materials, these kits can be sourced internationally.

Emergency Supply Strategy

The Emergency Supply Strategy (ESS) has been designed to assist first phase emergency response. The ESS specifies sets of items required to set up a first-phase emergency response for 8000 families in each programme sector.

CONTENTS

A. SECTOR PROGRAMMING — PAGE

1. CHILD PROTECTION

CHILD FRIENDLY SPACE KIT 9
CHILDRENS' PLAY KIT 10
FAMILY TRACING KIT 12

2. EDUCATION

TEACHER'S KIT 14
TEACHER'S REPLENISHMENT KIT 15
SCHOOL KIT 16
CHILDREN'S SCHOOLBAG KIT 17
SCHOOL RECREATION KIT 18
EARLY CHILDHOOD DEVELOPMENT KIT 19

3. HEALTH

INTERAGENCY EMERGENCY HEALTH KIT (IEHK) 21
INTERAGENCY DIARRHOEAL DISEASE KIT (IDDK) 22
INTER-AGENCY REPRODUCTIVE HEALTH KITS 24
NEWBORN BABY KIT 25
MOSQUITO NET, INSECTICIDE TREATED 27
SHARPS BINS 28
VACCINE COLD BOX, 20.7L RCW25 29
VACCINE CARRIER, 1.7L 30

4. NUTRITION

BP-5 32
THERAPEUTIC MILK, F75 33
THERAPEUTIC MILK, F100 34
PLUMPY NUT 35
RESOMAL 36
MUAC TAPE 37
NUTRITION SURVEY KIT 38
OUTPATIENT THERAPEUTIC PROGRAMME KIT 39
SUPPLEMENTARY FEEDING PROGRAMME KIT 42
STABILISATION CENTRES KIT 44

5. SHELTER

TENT, FAMILY, 17.5M^2 49
SHELTER REPAIR KIT 51
PLASTIC SHEETING, 4M X 6M 52
PLASTIC SHEETING, 4M X 60M 53
PLASTIC SHEETING KIT 54
KITCHEN SET KIT 55

HOUSEHOLD KIT 56
BLANKET, 50% WOOL 57
BLANKET, 100% POLYESTER FLEECE 58

6. WASH

GROUND BLADDER TANK, 10M^3 61
ONION PVC TANK, 30M^3 62
TRUCKING BLADDER, 6M^3 63
SUBMERSIBLE PUMP KIT, GRUNDFOS SQ5-70 64
HANDPUMP, INDIA MARK II DEEPWELL 65
WELL TRIPOD KIT 66
SURVEY AUGER KIT 67
PUMPSET KIT, 2", LIGHTWEIGHT, PETROL ENGINE 69
TAPSTAND 70
DISTRIBUTION PIPE, 32MM, PE 71
DISTRIBUTION FITTINGS KIT, 90MM 72
DISTRIBUTION PIPE, 90MM, HPPE 73
DISTRIBUTION ADAPTATION KIT 74
TAPE, PTFE, 12MM 75
TOOL KIT, ENGINEER'S 76
JERRY CAN, COLLAPSIBLE, 10L & 20L 78
BUCKET, WITH LID, 14L & 20L 79
BUCKET, WITH LID AND TAP, 14L & 20L 80
AQUATABS, WATER PURIFICATION SACHET 81
WATER TREATMENT SACHET 82
CHLORINE GRANULES 83
WATER TESTING KIT, DELAGUA 84
CONSUMABLES FOR DELAGUA TESTING KIT 86
AUTOCLAVE STERILISATION TAPE 87
BH DIP METER 88
CHEMICAL WATER QUALITY TEST KIT 89
WATER QUALITY MEASURING AND TESTING KIT 90
POOLTESTER FOR CHLORINE/PH TESTING 91
STEAM STERILISER KIT, NON ELECTRIC 92
WATER TESTING TABLETS, DPD1 92
PLASTIC SQUATTING SLAB 93
LATRINE DIGGING KIT 94
SOLID WASTE CLEANING MATERIALS KIT 95
PROTECTIVE ITEMS KIT 96
CHILD TO CHILD KIT (PUPPETS) 97
HOUSEHOLD WATER TREATMENT AND HANDWASHING KIT 98
HYGIENE KIT 99

B. PROGRAMME SUPPORT PAGE

7. GENERAL PROGRAMME SUPPORT

BARRIER FENCING 101
SHADE NET 102
TENT, MULTI-PURPOSE, 27.5m^2 103
TENT, MULTI-PURPOSE, 40m^2 105
LAMP, SOLAR 107

8. VEHICLES

TOYOTA LAND CRUISER HARDTOP, 5 DOOR 10 SEATER 109
TOYOTA LAND CRUISER HARDTOP, 3 DOOR 110
TOYOTA LAND CRUISER PICK-UP, 3 SEATER, 2 DOOR 112

TOYOTA APPROVED OPTIONAL ACCESSORIES 113
TOYOTA SPARE PARTS SERVICE PACKAGE 114
TOYOTA SPARE PARTS MAINTENANCE PACKAGE 115
MOTORCYCLE, HONDA XL 125 SL 116

9. COMMUNICATIONS

VHF HANDHELD PORTABLE RADIO, MOTOROLA GP340 119
VHF BASE STATION, MOTOROLA GM 360 120
VHF MOBILE STATION, MOTOROLA GM 360 121
MOBILE RADIO PACKAGE, CODAN NGT VR 122
BASE PACKAGE, CODAN NGT VR 123
SATELLITE PHONE, HANDHELD, IRIDIUM MOTOROLA 955 124
HANDHELD SATELLITE PHONE, THURAYA XT 125
SINGLE REPEATER, THURAYA 126
SATELLITE PHONE INMARSAT PRO HANDSET 128
BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 300 130
BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 500 131
BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 700 132

10. ENERGY

GENERATORS 135

11. SECURITY

FIRE EXTINGUISHER (VARIOUS) 138
LIFE JACKET 139
ALARM, CARBON MONOXIDE 140
ALARM, SMOKE 140
FIRE BLANKET 141
BLAST FILM 141
HELMETS, BALLISTIC 142
FIRST AID KIT 143

12. BRANDED PRODUCTS

T-SHIRTS 145
POLO SHIRTS 145
STICKERS 146
FLAGS 146

C. EMERGENCY SUPPLY STRATEGY PAGE

EMERGENCY SUPPLY STRATEGY 147

CHILD PROTECTION

PRODUCT	CODE
CHILD FRIENDLY SPACE KIT	CP001
CHILDREN'S PLAY KIT	CP002
FAMILY TRACING KIT	CP003

USER GUIDELINES: CHILD PROTECTION

These kits have been designed to provide rapid response capacity in emergency with the infrastructure and materials required for setting up Child Friendly Spaces (CFS) based on approximately 75 children per CFS.

There is one basic kit required to setup the infrastructure for shelter, water, lighting, furniture for an emergency CFS:

- Child Friendly Space kit (CP001)

And two kits which provide basic programmatic materials:

- Children's Play kit (CP002)
- Family Tracing kit (CP003).

CHILD FRIENDLY SPACE KIT

KIT

CODE: CP001

DESCRIPTION

This kit is designed to provide the temporary infrastructure required for an initial response. The contents have been carefully designed to set up Child Friendly Spaces. The same infrastructure could also be used for setting up temporary schools, clinics, nutrition centres, or accommodation.

PRICE

Ex Works ESTIMATE
1500 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Barrier fencing, orange plastic, 1x50m	Roll	1
Lamp, solar	Pce	2
Rope, 5mm, 100m	Roll	1
Shading net, 80%, 3x50m	Roll	1
Tent, canvas, white, SC detachable logo panel, 41m2	Pce	1
Water filter, 80L/day, gravity, with 2 extra candles (150L/day in hotter weather)	Pce	2
Additional Options		
Children's Play kit (CP02) (local materials can also be used)	Kit	1
Floor matting, plastic or local materials, 2x5m	Roll	4
SC flag, large	Pce	2
Hand washing Kit (4 buckets and 1 pack soap powder)	Kit	1
Cups for drinking water	Pce	20
Black board and chalks	Pce	1
Mobile latrines (optional depending on the venue for the CFS)		

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	2	425

CHILDRENS' PLAY KIT

KIT

CODE: CP002

DESCRIPTION

This kit is designed to provide a rapid response capacity for equipping Child Friendly Spaces with toys and games, and is part of the wider Child Friendly Space Kit (CP001). The contents have been carefully designed to cater for different cultural contexts.

PRICE

Ex Works ESTIMATE
500 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Trunk, plastic/metal, lockable with padlock	Pce	1
Copy Paper, 8.5 X 11, White	Pack	1
Construction Paper, 9" x 12", 50/Pack, Asst.	Pack	4
Butcher/Project Paper – 24" X 30', White	Roll	1
Pens, Stick, Medium, Black	Pce	60
Crayons, Hinged Top, 64/Box	Box	3
Markers, Washable, Classic Colors, Wide Tip, 8/Set	Pack	3
Bags, Lunch, Paper, Brown, 5" x 3" x 9-3/4", 50 Ct	Pack	1
Scissors, Plastic, Safety, 5 14", Right Handed	Pr	2
Scissors, 5 1/4", Blunt Tip, Left Handed	Pr	1
Scissors, 5 1/4", Blunt Tip, Right Handed	Pr	1
Glue Stick, Dries ClPcer, .70 Oz	Pce	4
Stickers, Asst. Designs, 528 Ct, Animals/Insects	Pce	4
Mega Blocks, Mini Bucket, 90 Piece, Age 2+	Pce	1
BPcech Ball, Inflatable, Asst Colors	Pce	2
Soccer Ball, Regulation Size, Black/White	Pce	2
Air Pump	Pce	1
Frisbee, Flying Foam Disc, 9"	Pce	2
Fleece Balls, 3", 6/Set, Asst Colors	St	1
Jump Rope, Nylon, 84", Large Handles	Pce	4
Chalk, Sidewalk, 3/Pack- Red/Blue/Grn/Yel/Orange/Wht	Pce	8
Action Figure, Animals, Asst	Pce	8
Maraca, Plastic, Rhythm	St	2
Box, Wheeled Latch Tote, 36.5" x 21" x 19.5", 45 Gal	Pce	1
Tarp, Blue, Multi-Purpose, 5 X 7	Pce	2
Barricade Tape, 105 Feet, With Pennant, Yellow	Pce	1
Tape, Painters, Blue, 1" X 60 Yards	Roll	2
Markers, Sharpie, Fine Point, 4/Set - Bk/Be/Rd/Gn	Pack	1
Clipboard, Letter Size, Brown	Pce	2
Folder, 2 Pocket, 11 Pt	Pce	30
Notebook, Spiral, 70 Ct, Asst Rules	Pce	1
Wrist Band, Econo Band, 3/4", Duplicate, 250/St	St	1
Spray Bottle, Plastic, .32 Oz	Pce	1

Gallon size Ziploc Bags, Box 20	Box	2
Medical Kit, Let's Play Doctor	St	1
Caterpillar Spillers, Stack/Scoop/Strain, 7/St	St	1
Children's Activity Rug, 55 X 52, W/Road	Pce	2
Baggie, ClPcer, 2 Gallon	Pce	2
Pipe ClPceners, 12" X 4 mm, 100/Pack	Pack	1
Pencils, #2, All Wood, Dozen	Dz	2
Pencil Sharpener, W/Cannister	Pce	3
Playing Cards, Standard, 3.5 X 2.5, Coated	Pce	2
"Magical" TPce Set /Say PlPcese TPce Set	Pce	2
Imaginext. "Lost CrPcetures", 3-8 YPcers	Pce	1
Vehicle, "Poppity Pap", 6 Months +	Pce	1
Apples to Apples	Pce	1
Playing Cards, "Uno", 7 +	Pce	2
Cars, "Hot Wheels", Asst Styles	Pce	6
Manual Provided by STC	Pce	1
Laminated Sheets provided by STC	Pce	1
Pencils standard HB box of 12	Pack	2
Pencil sharpener, metal	Pce	5
Colouring pencils, box of 12	Pack	5
Cognitive thinking games (chess, ludo, etc)	Pack	4
Picture Books, mixed ages (up to 13), range of culturally sensitive books	Pce	50

FAMILY TRACING KIT

KIT

CODE: CP003

DESCRIPTION

This kit is designed to provide first phase capacity for a mobile response team with the basic equipment required to set up a family tracing centre during a wide scale displacement.

PRICE

Ex Works ESTIMATE
2000 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Digital camera, 5mp, with case, 2GB memory card, rechargeable battery	Pce	2
Battery for camera, spare, rechargeable (include some non rechargeable batteries)	Pce	2
Laptop computer kit, IBM with backpack, memory stick and surge protector (IT001)	Pce	1
Hard drive, external USB self powered back up disk, 160GB	Pce	1
Portable colour printer with software, toner and USB cable	Pce	1
ID bracelets, box of 500, SC logo	Box	1
SC flag, large	Pce	2
SC T-shirts, mixed sizes	Pce	5
Interagency Child Protection database CD-Rom (refer to CPIE CD-Rom or website)	Pce	1
The Interagency Guiding Principles for Separated and Unaccompanied Children	Pce	1
Working with separated children: field guide (English) SCUK	Pce	1
Working with separated children: field guide (French) SCUK	Pce	1
Trunk, plastic/metal, lockable with padlock, (kit packed in this trunk)	Pce	1
Paper shredder	Pce	1
Roll-able whiteboard	Pce	1
Cards, A5, white, plain or ruled, pack of 100	Pack	5
Clip boards, A4	Pce	5
Megaphone, battery 12v, hand held (include lower volts for smaller megaphones)	Pce	2
Notebook, ruled, 50 pages, A5 book	Pce	10
Notice board, wooden, minimum 1x2m	Pce	2
Paper, blank, white, A4 ream	Pce	5
Pen, ballpoint, black/blue, box of 10	Pce	5
Sheet/laminate, plastic, for notice board	Pce	2
Wallets, plastic, A4	Pce	100

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.1	20

EDUCATION

PRODUCT	CODE
Teacher's Kit	ED001
Teacher's Replenishment Kit	ED003
School Kit	ED004
Children's Schoolbag Kit	ED005
School Recreation Kit	ED006
Early Childhood Development Kit	ED007

USER GUIDELINES: EDUCATION

These are generic kits for education in emergencies when all school materials for teachers and children may have been lost, or where government or the community cannot provide sufficient materials. These kits have been designed to provide rapid response capacity in emergency with the materials required for emergency education. It is understood that temporary structures and locally sourced materials may be a more appropriate longer term solution, but these kits will complement the infrastructure kits and materials for Child Friendly Spaces which could equally be used as temporary/tented school structures.

The two kits which equip teachers with educational materials are (ED001) and (ED003) which are based on approximately 50 children per class. The Children's Schoolbag kit (ED005) is designed to be given to individuals who are displaced or mobile.

The School Recreation kit (ED006) is designed to be used for recreational time at a school for around 150 children.

The Early Childhood Development kit (ED007) has been designed to promote children's play and recreation through exploration, discovery. The materials are targeted at the age group of approximately 3 – 5 years and should serve approximately 30 children at a time.

TEACHER'S KIT

KIT

CODE: ED001

DESCRIPTION

This kit is designed to provide a teacher or community education worker with basic supplies for up to 50 children for 3 months, after which it will need to be re-supplied. The kit should be adapted to the needs of children and teachers in different contexts.

PRICE

Ex Works ESTIMATE
300 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Trunk, plastic/metal, lockable with padlock	Pce	1
Card, blank, mixed colours, A4 ream	Pce	2
Cards, coloured, blank, 15cm2	Pce	200
Notebook, ruled, 50 pages, A4 book	Pce	6
Notebook, ruled, 50 pages, A5 book	Pce	6
Paper clips, metal, box of 100	Box	4
Paper, 'flipchart', plain, white, pad	Pce	2
Paper, blank, white, A4 ream	Pce	4
Pens, ball point, black/blue, box of 10	Box	2
Pens, ball point, red, box of 10	Box	2
Pens, marker, flipchart, mixed colours	Pce	6
Pencil sharpeners, metal	Pce	25
Pencils, HB grade, box of 10	Box	25
Ruler, metal/wood/plastic, 30cm	Pce	3
Safety scissors, blunt, plastic casing, 135mm	Pce	3
1 good quality, large scissors	Pce	1
Solid container/box, with padlock	Pce	1
String, roll of 30m	Roll	1
White adhesive tape (masking tape)	Pce	4
World map poster - countries only, mx1.5m (Should be blank:no writing/country labels)	Pce	2
Chalk (box of approx. 144 sticks)	Box	3
Small Chalk Boards	Pce	10
Black Chalk Board paint and paint brush	Pce	1
Drawing Pins (box of 50-60)	Box	1
Bull-dog clips	Pce	10
Rubber Bands (Pack of 50-60)	Pack	1
Magnifying Glass	Pce	4
Abacus	Pce	2
Teacher Note Book - Head Teacher/ Budget Book/ Register	Pce	5
Exercise book, lined (with wide lines) for visually impaired	Pce	5
Collapsible meter stick	Pce	1

Teachers simple guide "How to use equipment in children's education kit "	Pce	1
Bags, plastic, transparent (for storage) 15x10cm	Pce	4
Chalk board, approx 1.5x2m	Pce	1
Whiteboard Roll 30m x 1m	Roll	1
Floor mats, plastic or local material, 3m3	Pce	4
Save the Children flag, large	Pce	1

TEACHER'S REPLENISHMENT KIT

KIT

CODE: ED003

DESCRIPTION

The kit is designed to replenish teachers' supplies for a class of up to 50 children with basic materials. It can and should be adapted to the needs of children and teachers in different contexts.

PRICE

Ex Works ESTIMATE
30 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Chalk, mixed colours, box of 10	Box	25
Crayon, wax, mixed colours, box of 10	Box	25
Erasers, rubber	Pce	25
Notebooks, ruled, 50 pages, A4 book	Pce	200
Notebooks, squared, 50 pages, A5 book	Pce	200
Pencil sharpeners, metal	Pce	25
Pencils, HB grade, box of 10	Box	25
Pens, ball point, black/blue, box of 10	Box	25
Pens, felt tip, mixed colours, box of 10	Box	25
Rulers, plastic, 30cm	Pce	25
Solid container/box, with padlock	Pce	1
Counters	Pce	500
Dice	Pce	5
Timers	Pce	2
Marbles	Pce	50
Tape Measures	Pce	2
Magnets	Pce	2
Mirrors, size A5 or 12cm sq (could be plastic)	Pce	2

SCHOOL KIT

KIT

CODE: ED004

DESCRIPTION

The kit is designed enable setup of a school in first phase emergency. It can and should be adapted to the needs of children and teachers in different contexts.

PRICE

Ex Works ESTIMATE
700 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Tent, canvas, 41m^2	Pce	1
Barrier fencing, orange plastic, 1x50m (roll)	Roll	1
Rope, 5mm, 100m (roll)	Pce	1
Shading net, 80%, 3x25m (roll)	Pce	1
Water filter, 80L/day, gravity, with 2 extra candles	Pce	1
Floor matting, plastic or local materials, 4 x 30 m roll	Roll	1
SC flag, large	Box	1
Hand washing Kit (4 buckets + 1 pack soap pwder)	Box	1

CHILDREN'S SCHOOLBAG KIT

KIT

CODE: ED005

DESCRIPTION

The kit is designed to provide a child with basic education materials for 3 months while they are displaced, in transit or with no permanent school site, after which it will need to be re-supplied. It can and should be adapted to the needs of children in different contexts where appropriate.

PRICE

Ex Works ESTIMATE
10 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Exercise books, ruled, 50 pages, A4 book	Pce	5
Pencil sharpeners, metal	Pce	1
Pencils, HB grade, box of 10	Box	1
Erasers, rubber	Pce	1
Pens, ball point, black/blue, box of 10	Box	1
Rulers, plastic 30cm	Pce	1
Backpack, nylon, optional SC logo, small/medium (kit packed in this bag)	Pce	1
Additional Options		
Clothing/uniform, boy/girl, small/medium, set	Set	1
Sandals/slippers, small/medium, pair	Pair	1

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.01	7

SCHOOL RECREATION KIT

KIT

CODE: ED006

DESCRIPTION

The kit is designed to provide a school with basic recreation materials up to 150 children for 3 months while they are displaced, in transit or with no permanent school site, after which it will need to be re-supplied. It can and should be adapted to the needs of children in different contexts where appropriate.

PRICE

Ex Works ESTIMATE
100 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Trunk, plastic/metal, lockable with padlock	Pce	1
Story Books (culturally sensitive and appropriate language)	Pce	50
Variety of colour paper and size	Pack	5
Crayons, thin (approx. 30 in box, mixed colours)	Box	20
Crayons, thick	Box	20
Paints (mixed colours)	Pce	20
Paint brushes, pack of 20 large and small	Pack	50
Glue (bottled)	Pce	30
Sellotape or white masking tape	Pack	20
Range of board games – culturally sensitive	Pce	10
Musical Instruments	Pce	10
Skipping Ropes, 1 metre	Pce	10
Skipping Ropes, long for group games	Pce	2
Footballs	Pce	5
Netballs	Pce	5
Ball pump	Pce	2
Small balls	Pce	5
Form of simple bat e.g rounders bat	Pack	5
Volleyball	Pce	2
Volleyball net, 9.5 x 1m, without posts	Pce	1
Field markers (small coloured discs)	Pce	8
Team bands	Pce	20
Tool kit e.g. Child sized hammer, saw	Pack	10
Sewing kit e.g. needles, thread (pack for 2 or 3 children)	Pack	4
Teachers guide to use of equipment / game rules	Pce	1
Storage boxes	Pce	4

EARLY CHILDHOOD DEVELOPMENT KIT

KIT

CODE: ED007

DESCRIPTION

This Early Childhood Development Kit would provide materials for young children's play, recreation and general development, within a 'centre or preschool' type setting. The kit has been designed to promote children's play and recreation through exploration and discovery. The materials are targeted at the age group of approximately 3 – 5 years and should serve approximately 30 children at a time. The kit also includes items to assist the teacher or carers with storage along with supplies that may be useful for planning activities and managing the care of the items.

PRICE

Ex Works ESTIMATE
100 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Trunk, plastic/metal, lockable with padlock	Pce	1
Plastic mats for seating, approx 2 metre sq (different colours)	Pce	4
Tarpaulin	Pce	1
Soft sponge puzzles (large pieces) – as per UNICEF kit	Pack	2
Soft puppets (culturally appropriate)	Pce	9
Bricks / coloured, wooden blocks for play, including approx. 20 bricks	Pack	2
Crayons (thick / large), including approx. 24 crayons	Box	4
Abacus	Pce	4
Coloured paper (thick)	Ream	2
Butcher paper (plain, rolled or flipchart paper)	Roll	2
Medium sized soft toys (fabric, safe ie. no sharp pieces)	Pce	10
Coloured pencils (12 pencils in each box / pack)	Pack	6
Drawing books (plain paper, no lines)	Pce	60
Small rubber or plastic, soft balls	Pce	6
Plastic boxes for crayons storage	Pce	4
Threading beads (large, like blocks, with threading strings) – as per UNICEF kit	Pce	4
Teachers / carers note book with lines	Pce	4
Plastic buckets with lids (for storage)	Pce	2
Teachers / carers note book, plain	Pce	1
Pens (black / blue)	Pce	20
Pencils – lead	Pack	5
Tape / selo-tape / masking tape	Rolls	4
Small cleaning cloths / fabric	Pce	15
Plastic cups (strong, coloured)	Pce	20

HEALTH

PRODUCT	CODE
INTERAGENCY EMERGENCY HEALTH KIT (IEHK)	MD001
INTERAGENCY DIARRHOEAL DISEASE KIT (IDDK)	MD697
INTER-AGENCY REPRODUCTIVE HEALTH KITS	MD693
NEWBORN BABY KIT	RF018
MOSQUITO NET, INSECTICIDE TREATED	MD004
SHARPS BINS	MD694
COLD BOX, 20.7L RCW25	MD695
VACCINE CARRIER, 1.7L	MD696

USER GUIDELINES: HEALTH PRODUCTS

All medicines and medical equipment in these kits should be purchased internationally, unless local markets can meet quality standards as outlined in the Medical Procurement Policy and conform to donor regulations. Please refer to the Medical Procurement Policy before ordering any medical supplies.

Importation regulations and procedures MUST be investigated and agreed with the relevant authorities in advance of ordering internationally.

In emergency situations, kits may be available in country from international organisations such as WHO, UNICEF or UNFPA, which may be quicker than procuring through the Save the Children systems. Countries can also order individual health items (for example, single types of drugs) as well as the kits listed here.

Please note that chlorine is a dangerous product which should be stored carefully, and should not be stored near drugs.

INTERAGENCY EMERGENCY HEALTH KIT (IEHK)

KIT / CONTRACT

CODE: MD001

DESCRIPTION

The WHO IEHK consists of basic units, supplementary units as well as optional post exposure prophylaxis (PEP) and malaria modules. These can all be mixed and matched to meet your specific requirements. A "complete" IEHK, which is designed for a population of 10,000 people for 3 months, consists of 10 basic units and 1 supplementary unit, with or without the optional PEP / malaria modules.

A brief description of the individual kits is given in the technical specification, but for complete specifications of the basic and supplementary units as well as the optional modules, please see the WHO website or the health ESOP: (http://apps.who.int/medicinedocs/en/d/Js13486e/5.html#Js13486e.5)

PRICE

Ex Works ESTIMATE
16,000 EUR per complete IEHK kit (10 basic units, 1 supplementary unit) *with* optional malaria and PEP modules

5,700 EUR per complete IEHK kit (10 basic units, 1 supplementary unit) *without* optional modules

TECHNICAL SPECIFICATION

Basic Unit

- for health care workers with limited training
- designed for a population of 1.000 people for 3 months
- contains basic medicines (tablets, ointment), basic medical devices (bandages, gauze, gloves and soap), stationary and basic equipment (basin, forceps, scissors, thermometer, etc.) - *see WHO website or ESOP for full listing*

Supplementary Unit

- for physicians and senior health care workers
- designed for a population of 10,000 people for 3 months
- contains comprehensive medicines (anaesthetics, analgesics, anti-allergics, anti-infective, cardiovascular, dermatological, gastrointestinal, oxytocis, psychotherapeutic, respiratory tract and vitamins), essential infusions (iv medicines, ringer's lactate, glucose – 5% &50%, water) MSF treatment guidelines, renewable medical devices (cannulae, catheters, gloves, needles, scalpel, suture, syringes, feeding tubes), stationary and equipment (filter, otoscope, scales, sphygmomanometer, stove, dressing/suture set, thermometer, tourniquet) - *see WHO website or ESOP for full listing*

Optional:

Basic Malaria module

- for health care workers with limited training
- designed for a population of 1.000 people for 3 months
- consists of artemether + lumefantrine tablets, quinine tablets, rapid diagnostic tests, lancets and safety boxes

Supplementary Malaria module

- for physicians and senior health care workers
- designed for a population of 10,000 people for 3 months
- consists of artemether and quinine injections in addition to the complete contents of the basic malaria module

Patient PEP module

- for physicians and senior health care workers
- designed for a population of 10,000 people for 3 months
- consists of prophylactic treatment for STIs, PEP (AZT + 3TC) and post coital contraception

Modules		
Description	**Ex Works ESTIMATE, EUR**	**Qty**
Basic unit	300	1
Supplementary unit: drugs	1,650	1
Supplementary unit: renewable supplies	575	1
Supplementary unit: equipment	475	1
Malarial module for Basic unit	925	1
Malarial module for Supplementary Drugs unit	150	1
PEP module for Supplementary Drugs unit	900	1

PACKING INFORMATION

Modules			
	Box	**Volume (cm^3)**	**Weight (kg)**
Basic unit	1	1.65	395
Supplementary unit: drugs	1	0.6	296
Supplementary unit: renewable supplies	1	0.6	74
Supplementary unit: equipment	1	0.3	40
Malarial module for Basic unit	1	1.5	220
Malarial module for Supplementary Drugs unit	1	1.5	220
PEP module for Supplementary Drugs unit	1	0.03	5.5
Kits			
Complete IEHK: without anti-malaria module, without PEP module	13	3.15	805
Complete IEHK: with Malaria module and PEP module	15	4.6	1029

INTERAGENCY DIARRHOEAL DISEASE KIT (IDDK)

KIT / CONTRACT

CODE: MD697

DESCRIPTION

The Interagency Diarrhoeal Disease Kit (IDDK) is designed for 100 severe cholera cases (cholera treatment unit), plus 400 moderate cholera cases (oral rehydration unit), and 100 adults plus 100 children affected by Shigella dysentery. The full kit contains four separate modules. For preparedness, we advise ordering a full kit, although each module can also be ordered separately, according to local availability of the different components. Note:

- This kit does NOT include sprayers for disinfection and chlorine.
- This kit does NOT contain the material to physically set up a CTC and equip the staff.

Please refer to the WHO website or ESOP for complete specifications of the modules:
http://www.who.int/topics/cholera/materials/en/index.html

PRICE

Ex Works ESTIMATE
4,000 EUR per kit
(Basic unit, ORS Module Infusions Module, Support Module)

TECHNICAL SPECIFICATION

Basic module:	• Drugs: o ORS (700 sachets), as well as Ringer Lactate (80 litres) o Cholera: Doxycycline (65 adults), Erythromycin (60 children); zinc tablets (250 children) o Shigella: Ciprofloxacin (100 adults & 100 children); zinc tablets (100 children) o Disinfectant • Renewable supplies (cannulae, needles, safety boxes, bandages, gauze, gloves, feeding tubes, syringes, culture swabs) • Equipment (scissors, forceps, basin, tourniquet, sphymomanometer, thermometer, soap, body bags, blankets) • Documents on diarrhoeal disease management in emergencies (WHO)
ORS module:	• ORS (1600 sachets) • Equipment (jerrycan, ladle, cups, soap)
Infusion module:	• Ringer Lactate (720 litres) with IV giving sets
Support module:	• Non-medical items necessary for running a cholera treatment centre (buckets, jerricans, ladles, cups, chlorine test kits, gloves)

PACKING INFORMATION

Modules	Volume (m^3)	Weight (kg)
Basic module	2.55	744
ORS module	0.20	78
Infusion module	1.50	850
Support module	1.60	140
Total: Full kit	5.85	1812

INTER AGENCY REPRODUCTIVE HEALTH KITS

KIT

CODE: MD693

DESCRIPTION

The Reproductive Health Kits provides the supplies needed to implement reproductive health in emergency situations. The objectives are laid out in the Inter-Agency Field Manual on Reproductive Health in Refugee Situations.

The separate modules of the Interagency Reproductive Health Kits can also be purchased individually. For guidance on these kits, and for complete specifications, please refer to the RHRC website: http://www.rhrc.org/resources/rhrkit.pdf

PRICE

Ex Works ESTIMATE
8,750 USD per complete kit (Block 1, 2 & 3)
Generally specific kits are ordered – please see prices by specific kits

TECHNICAL SPECIFICATION

Block 1 contains 6 kits, for use at the community and primary health care level. Each kit is designed to provide for the needs of 10,000 persons for a 3-month period. The kits contain mainly disposable items. Kits 1, 2 and 3 are divided into parts A and B, which can be ordered separately.

Line item	Kit No.	Description	Ex Works ESTIMATE, USD
1	Kit 0	**Administration kit** Stationary to facilitate administration and training activities	140
2	Kit 1	**Condom kit** Part A – 17,280 male condoms Part B – 540 female condoms	838
3	Kit 2	**Clean Delivery kit** Part A – 200 individual delivery kits Part B – 5 kits for use by birth attendants	390
4	Kit 3	**Rape Treatment kit** (including treatment for children) Part A – Basic treatment after rape Part B – Post Exposure Prophylaxis	880
5	Kit 4	**Oral and Injectable Contraception kit** (COCP, PCP, Depot)	450
6	Kit 5	**STD Treatment kit** (As specified by syndromic management of STIs)	255

Block 2 is composed of 5 kits containing both disposable and reusable material, for use at primary health care and referral hospital level. These kits are designed to be used for a population of 30,000 persons over a 3-month period. However, this does not exclude these kits from being ordered for a population of less than 30,000 persons – it simply would mean that the supplies in the kits would last longer.

Line item	Kit No.	Description	Ex Works ESTIMATE, USD
1	Kit 6	**Clinical Delivery kit** For use by trained personnel to perform normal deliveries, suture episiotomies and perineal tears under local anesthesia and stabilize patients with serious complications before sending to referral level	725
2	Kit 7	**Intrauterine Devices (IUD) kit** For use by trained health personnel to insert & remove IUD and provide preventive antibiotic treatment.	155
3	Kit 8	**Management of Miscarriage and Complications of Abortion** For use by trained health personnel to treat the complications arising from miscarriage and from unsafe induced abortion, including sepsis, incomplete evacuation and bleeding.	545
4	Kit 9	**Suture of Tears (cervical and vaginal) and Vaginal Examination kit** For use by trained health personnel to suture cervical and vaginal tears, and to examine women who have been sexually assaulted.	260
5	Kit 10	**Vacuum Extraction Delivery kit** For use by trained health personnel to perform manual vacuum extraction	90

Block 3 is composed of 2 kits containing both disposable and reusable equipment and supplies for use at the referral/surgical obstetrics level. In most countries the supplies provided in this kit would normally serve a population of approximately 150,000 persons over a 3-month period.

Line item	Kit No.	Description	Ex Works ESTIMATE, USD
1	Kit 11	**Referral level kit for Reproductive Health** Part A – Reusable equipment Part B – Drugs & disposable equipment For use by trained medical staff to perform caesarean sections and other obstetric surgical interventions, to resuscitate mothers and babies and to treat sepsis and PID.	3,375
2	Kit 12	**Blood Transfusion kit** For use by trained laboratory technician with basic laboratory facilities to perform safe blood transfusions after testing for HIV, syphilis, and hepatitis B and C.	800

NEWBORN BABY KIT

KIT

CODE: RF018

DESCRIPTION

This is a basic kit for all neonates and should be provided for all displaced pregnant and newly-delivered mothers (assume 6% of total population) made of clothing and basic sanitary items which would be distributed on a case by case basis.

PRICE

Ex Works ESTIMATE
50.00 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Baby blanket, 300 gsm, 75 x 50 cm	Pce	1
Baby talcum powder, hypoallergenic, 250g	Pce	1
Baby vest, cotton	Pce	2
Bath towel, child, cotton 340 gsm, 30 x 50cm	Pce	3
Hat, wool, extra small	Pce	1
Safety pins, small size, nickel free, for nappies	Pce	10
Shampoo baby, hypoallergenic, PH factor 5.5, bottle of 500ml	Pce	1
Soap, baby, 100g bar, hypoallergenic	Pce	2
Socks, cotton, extra small	Pair	2
Towel, 100% cotton, 60x80 cm, 300 gsm	Pce	2
Washable baby diaper, 100% cotton, 30x15 cm (non disposable)	Pce	12
Zinc Oxide, cream, 100ml tube (Nappy rash cream)	Pce	1

MOSQUITO NET, INSECTICIDE TREATED

CONTRACT

CODE: MD004

DESCRIPTION

A ready-to-use mosquito bed net. The net material is pre-treated with an odourless and biodegradable insecticide that is effective up to 20 washes and has a WHOPES (World Health Organization Pesticide Evaluation Scheme) recommendation, which declares it safe and effective for the prevention and control of malaria and other vector-borne diseases.

PRICE

Ex Works ESTIMATE
Rectangular:
W130 x H150 x L180 cm: 4.29 USD
W160 x H150 x L180 cm: 4.72 USD
W190 x H150 x L180 cm: 5.15 USD
Circular: 7.44 USD

TECHNICAL SPECIFICATION

Shape: Rectangular (circular also available)

Size:
Rectangular;
- W130 x H150 x L180 cm
- W160 x H150 x L180 cm
- W190 x H150 x L180 cm

Circular
- Circumference 1250 x Height 250 x Roof 65 cm

Active ingredient: Target Deltamethrin concentration is 55 mg/m² ± 25%

Lifespan: Continues to kill and repel mosquitoes after 20 washes

LLIN technology: Material treated with Deltamethrin and a binding chemical to ensure the wash resistance of the insecticide.

Weight: 100 denier: 30 g/m² ± 10%

Material/colour: 100 % PE, Blue

PACKING INFORMATION

Packaging	Volume (m³)	Weight (kg)
1 x bale (50 nets)	0.2 approx	various

SHARPS BINS

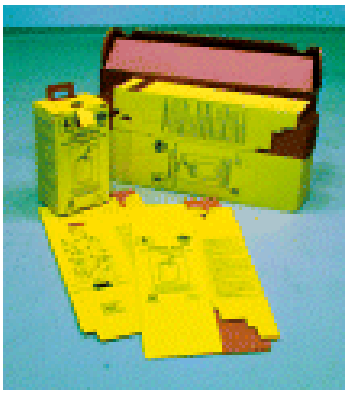
STANDARD

CODE: MD694

DESCRIPTION

Puncture resistant foldable, cardboard containers for collecting and disposing of used disposable and auto-disable syringes, needles and other injection materials must be provided and used in all immunization activities.

These containers reduce the risk posed by contaminated needles and syringes to health staff and to the general public.



PRICE

Ex Works ESTIMATE
0.95 EUR per unit

VACCINE COLD BOX, 20L, MODEL RCW 25/CF

STANDARD

CODE:: MD695

DESCRIPTION

Large, long range cold box, with hinged lid for transport of vaccines, model RCW 25/CF,

PRICE

Ex Works ESTIMATE
580 EUR per unit

TECHNICAL SPECIFICATION

Model:	RCW 25/CF
Vaccine Storage:	20.7l (weight fully loaded 32.8 kg)
Cold Life:	129 hours at +43°C (without opening)
Standards:	WHO Performance Specification E4/CB 2 and Standard Test Procedure E4/PROC/1
Accessories:	24x 0.6l icepacks

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x carton	0.29	48.3

VACCINE CARRIER, 1.7L, BLOW KINGS MODEL

STANDARD

CODE:: MD696

DESCRIPTION

Vaccine carrier, with a 1.7l vaccine storage capacity.

PRICE

Ex Works ESTIMATE
30.00 EUR per unit

TECHNICAL SPECIFICATION

Model:	Blow Kings Model BK-VC 1.6-CF. CFC-free. PIS Ref. E4/83-M
Vaccine Storage:	1.7l
Cold Life:	36 hours at +43°C (without opening)
Standards:	UNICEF/WHO Standard E4/VC2.
Accessories:	4x 0.4 litre icepacks

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.02	2.7

NUTRITION

PRODUCT	CODE
BP-5	NT001
F75	NT003
F100	NT004
PLUMPY NUT	NT005
RESOMAL	NT006
MUAC TAPE	NT020
NUTRITION SURVEY KIT	NT012
OUTPATIENT THERAPEUTIC PROGRAMME KIT	NT014
SUPPLEMENTARY FEEDING PROGRAMME KIT	NT013
STABILISATION CENTRES KIT	NT015

USER GUIDELINES: NUTRITION

In addition to the individual products, there are also four central Nutrition Kits. The survey kit is designed for up to five assessment teams. The Outpatient Therapeutic Programme kit and Supplementary Feeding Programme kit are designed to equip one mobile team serving six distribution sites or health centres, and the Stabilisation Centre kit is designed for setting up one treatment ward.

The standard drug quantity guidelines have been based on a minimum start up package and unit size, and do not necessarily reflect actual consumption for the caseloads which need to be calculated separately in case of multiplying the kit size.

All medicines and medical equipment in these kits must be purchased internationally, unless local markets can meet quality standards as outlined in the Drug Procurement Guidelines and conform to donor regulations.

BP - 5

CONTRACT

CODE: NT001

DESCRIPTION

BP-5 Compact Food is a ready-to-eat food of high nutritional value.

PRICE

Ex Works ESTIMATE
38.40 EUR per carton of 12kg
(contains 24 boxes)

TECHNICAL SPECIFICATION

Ingredients:

Baked wheat flour	Malt Extract
Partially hydrogenated soybean oil	Minerals
Sugar	Amino acids
Soya protein concentrate	Vitamins

Nutrition: Contains 100% of recommended daily allowance of vitamins and minerals.

Consumption: Eaten directly as a ration bar or mixed with water in a porridge.

Shelf life: 5 years – providing that the packaging remains undamaged, with a minor decrease in some vitamins.

Comments: It is not recommended to use BP-5:

- For treatment of severely malnutrition ourished people if better alternatives are available.
- For children below 6 months, as the product is based on wheat flour.who should be exclusively breastfed
- For children below 6 months - 2 years of age, it should preferably be given as porridge.

BP-5 is an all vegetable product containing no ingredients of animal origin.

PACKING INFORMATION

Carton	Volume (m^3)	Weight (kg)
1 (contains 24 boxes)	0.02	12

Each box of BP-5 (500g Net) contains 18 tablets packed in 9 bars with grease-proof paper. 24 boxes are in each carton and there are 55 cartons on each pallet. A 20' container holds 36,000 units of BP-5, which represents a basic supply of nutriments for 10,000 adults for one week.

THERAPEUTIC MILK, F-75

CONTRACT

CODE: NT003

DESCRIPTION

F-75 is a therapeutic milk powder designed to be used during the first stages of dietetic treatment of severe malnutrition. This milk-based powder contains all nutrients necessary in the treatment of severe malnutrition; therefore it is recommended that nothing else be added after dilution. For use only in the dietetic treatment of severe malnutrition, it should not be distributed directly to families. It is not designed to promote weight gain.

PRICE

Ex Works ESTIMATE
20.91 EUR per carton of 20 sachets

TECHNICAL SPECIFICATION

Ingredients:
Skimmed milk powder
Vegetable fat
Whey powder
Malto-dextrine
Sugar
Complex of minerals and vitamins

Nutrition:
446kcal per 100g

Shelf life:
F-75 has a shelf life of 24 months when stored in a cool and dry place

Comments:
Caution: This product is only for use for in-patient care. This is usually in the form of a stabilisation center, for patients with severe acute malnutrition with complications that require approx one week's inpatient treatment before being referred to the outpatient therapeutic programme. Alternatively it is used in phase 1 in a therapeutic feeding center. Feeding bottles are not to be used, even with very small infants. Give with a cup. Seek specialist advice if treating infants < 6months of age for whom breastmilk is vital. DO NOT DISTRIBUTE DIRECTLY TO FAMILIES.

PACKING INFORMATION

Each carton contains 20 sachets.

Packaging	Volume (m^3)	Weight (kg)
1 x carton (20 sachets)	0.02	8.2

THERAPEUTIC MILK, F-100

CONTRACT

CODE: NT004

DESCRIPTION

This milk-based powder contains all nutrients necessary in the treatment of severe malnutrition; therefore it is recommended that nothing else be added after dilution. For use only in the dietetic treatment of severe malnutrition, it should not be distributed directly to families.

PRICE

Ex Works ESTIMATE
32.83 EUR per carton of 30 sachets

TECHNICAL SPECIFICATION

Ingredients:
Skimmed milk powder
Vegetable fat
Whey powder
Malto-dextrine
Sugar
Complex of minerals and vitamins

Nutrition: 520 kcal per 100g

Shelf life: F-100 has a shelf life of 18 months when stored in a cool and dry place

Comments: Caution: This product is only for use for in-patient care. This is usually in the form of a stabilisation center, for patients with severe acute malnutrition with complications that require approx one week's inpatient treatment before being referred to the outpatient therapeutic programme. Alternatively it is used in phase 2 in a therapeutic feeding center. Feeding bottles are not to be used, even with very small infants. Give with a cup. Seek specialist advice if treating infants < 6months of age for whom breastmilk is vital. DO NOT DISTRIBUTE DIRECTLY TO FAMILIES.

PACKING INFORMATION

Each carton contains 30 sachets of 456g each.

Packaging	Dimensions (m)	Weight (kg)
1 x carton	0.385 x 0.29 x 0.34	14.8

PLUMPY NUT

CONTRACT

CODE: NT005

DESCRIPTION

Plumpy Nut is a ready-to-use therapeutic food, packed in sachets of 92g, suitable for anybody older than 6 months suffering from severe acute malnutrition. Plumpy Nut of similar nutritional value to F-100 therapeutic milk.

This therapeutic food is in paste form and it does not contain any water, so is therefore resistant to any bacterial contamination, even once the sachet is open.

PRICE

Ex Works ESTIMATE
37.26 EUR per carton of 150 sachets

TECHNICAL SPECIFICATION

Ingredients:

Peanut Paste
Sugar
Vegetable fat
Skimmed milk powder
Whey powder
Maltrodextrin
Mineral and vitamin complex
Cocoa
Emulsifier: lecithin
Contains no genetically modified products
Contains no animal products except for milk

Nutrition: 545 Kcal of energy per 100g.

Shelf life: 24 months from the manufacturing date stated on each sachet.

Comments: CAUTION: This product is not suitable for infants less than 6 months old or for children with oedema. Seek specialist advice if treating infants < 6months of age for whom breastmilk is vital.

PACKING INFORMATION

Each box contains 150 sachets of 92g each.

Packaging	Dimensions (cm)	Weight (kg)
1 x box	38.5 x 29 x 34	14.8

RESOMAL

STANDARD

CODE: NT006

DESCRIPTION

ReSoMal is a Rehydration Solution for severely acutely malnourished children and adults in therapeutic feeding and stabilisation centres.

PRICE

Ex Works ESTIMATE
31.20 EUR per carton of 130 sachets (84.2g sachets)
53.10 EUR per carton of 45 sachets (420g sachets)

TECHNICAL SPECIFICATION

Nutritional information:	Contains 100% of recommended daily allowance of vitamins and minerals
Usage:	One sachet of ReSoMal-84.2 g should be dissolved in 2 litres of clean drinking water to give above concentration of nutrients and minerals. ReSoMal solution is only to be given orally by cup or spoon in small sips or by nasogastric tube. Never give ReSoMal solution by IV infusion. For further information, see "Management of severe malnutrition", WHO 1998
Label:	Standard language on the sachets is English, French and Spanish
Shelf life:	The shelf life is 3 years from date of production if kept below 25°C

PACKING INFORMATION

ReSoMal-84.2 g is packed in a strong 3-layer aluminium laminated sachet of 84.2 g. 130 sachets are packed in a strong export carton, each 10.946 kg net, 11.5 kg gross, volume: 0.0272m³
ReSoMal 420g sachets are packed in the same way, with 33 sachets per carton, 48 cartons per Euro pallet.

Packaging	Dimensions (cm)	Weight (kg)
1 x box	38.6 x 29.0 x 23.7	14.62kg (420g sachets) or 12.02kg (84.2g sachets)

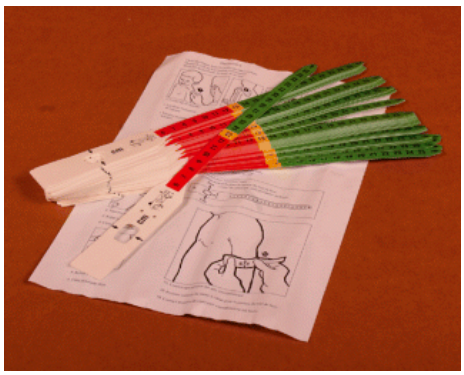
MUAC TAPE

STANDARD

CODE: NT010

DESCRIPTION

Mid Upper Arm Circumference (MUAC) measuring tape. Recommended for the screening of malnourished children and for their admission into therapeutic feeding centres; Good for nutrition emergencies when illiterate field workers are used for screening.



PRICE

Ex Works ESTIMATE
0.4 GBP per tape

TECHNICAL SPECIFICATION

Measurement Range:	Suitable for measuring range up to 26.5cm Graduated with 1 mm precision with thicker line at 21.0cm
Colour-coding:	Red (Pantone code 1795 C) up to 11.5cm Yellow (Pantone code 107 C) 11.5cm-12.5cm Green (Pantone code 369 C) from 12.5cm
Comments:	Recommended for the screening of acutely malnourished children and pregnant and lactating women and for their admission into therapeutic and supplementary feeding centres; Good for nutrition emergencies when illiterate field workers are used for screening. Necessary also for nutrition assessments.

NUTRITION SURVEY KIT

KIT

CODE: NT012

DESCRIPTION

The nutrition survey kit contains all the supplies needed to undertake a nutrition survey and facilitate the training beforehand, based on the assumption that 4 or 5 teams of about 4 people will be required, and data will be collected in 30 clusters. Some adaptations may be required if these assumptions are not true.

PRICE

Ex Works ESTIMATE
250 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
MUAC tape	Pce	20
Scales, 25kg scale, w bar, 3 parts & sling, 100gm graduation	Pce	5
Book, SC UK Emergency Nutrition Assessment: Guidelines for field workers, 2004	Pce	1
Backpacks, nylon	Pce	5
Board, height/length & head block (130cm long, wooden)	Pce	6
Book, A5 ruled	Pce	20
Calculator, solar or battery	Pce	5
Clipboard, A4, spring clip	Pce	5
Cord 10m x 6mm, polypropylene, endless fibres	Roll	1
Eraser	Pce	5
Paper, blank, white, A4 ream	Ream	2
Pen, large, indelible, black marker	Pce	4
Pencil Sharpener, metal, single hole	Pce	5
Pencil, HB	Pce	20
Pens, ballpoint, black, box of 10	Box	1
Tables, % weight-for-height NCHS/CDC/WHO Sex combined, laminated	Pce	10
Tables, random number A4, laminated	Pce	10
Tape, metric adhesive 2m/0.1cm	Roll	10
Wallets, A4 transparent plastic, OR A4 envelopes, manila	Pce	40
Wooden/bamboo poles, approx 2m length, to hang scale	Pce	5

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.2	23

OUTPATIENT THERAPEUTIC PROGRAMME KIT (OTP)

KIT

CODE: NT013

DESCRIPTION

This kit lists all supplies needed to equip one mobile team servicing 6 distribution sites/health centres. Quantities reflect limited static supplies (and site specific recording material), with majority of items moved from site to site for each distribution. Additional supplies will be needed if supplies are to furnish secure facilities and/or to facilitate service delivery by Ministry of Health on a static basis. Supplies are appropriate for initial enrolment of about 100 children, and further admission of 100 children (SFP supplies cover a proportionally larger caseload in order for kits to cover a similar timeframe).

Where nationally endorsed MoH versions do not already exist, OTP card and tally sheets should be created by technical staff on the team, adapting as appropriate from Valid templates. Consider also furnishing needs (folding tables, chairs and plastic mats).

PRICE

Ex Works ESTIMATE
6,800 GBP per kit

TECHNICAL SPECIFICATION

Equipment and supplies for OTC kit with estimated initial enrolment of 100 children.

Description	Unit	Qty [3]	Qty [4]
Calculator	Pce	2	2
Clear plastic envelopes for filing cards, A4 transparent plastic w punched holes	Pce	200	200
Flipchart paper	Pce	2	2
Flipchart stand	Pce	1	1
Marker pens, permanent ink	Pce	4	4
Notebook, A4 ruled	Pce	4	4
OTP cards for new admissions	Pce	200	200
OTP file for admission cards, A4 lever arch	Pce	1	6
OTP ration cards for new admissions	Pce	200	200
Pens, ballpoint, black/blue, box of 10	Box	1	1
Scissors	Pce	2	2
Stapler and box of 5000 staples	Pce	1	1
Stock cards for material & drugs	Pce	250	250
Tallysheets for OTP	Pce	6	36
Transfers forms	Pce	100	100
Valid International CTC Manual, 2006	Pce	1	1
Weight / height table: adolescent boys/laminated	Pce	2	2

[3] Reference quantity for one site
[4] Typical Emergency Set –up (6 sites, mobile team)

Weight / height table: adolescent girls/laminated	Pce	2	2
Weight for height % table/laminated	Pce	4	4
Equipment			
Batteries (for thermometer)	Pce	5	5
BMI table: adults/laminated	Pce	2	2
Board, height/length & head block (130cm long, wooden)	Pce	4	4
Bracelet, identification, Ident-A-Band, OTP, red, box of 400 bracelets	Box	1	1
Infant bench scale/balance beam scale	Pce	1	1
MUAC tape adults	Pce	10	10
MUAC tape children	Pce	30	30
Salter scale 25kg, 100gr graduation; plus parts - hooks, hanging bar, trousers/sling	Pce	4	4
Salter scale 50kg, 200gr graduation; plus hooks	Pce	1	1
Thermometer, celsius, electronic (if appropriate)	Pce	5	5
Basin for premix preparation, plastic, 100-150L	Pce	2	2
Bucket, plastic with lid, 10L, for keeping clean water	Pce	4	4
Bucket, plastic with lid, 10L, for taking home ration	Pce	300	300
Calibrated container to measure food ration	Pce	2	3
Jerry can, 20L, with tap, for washing hands	Pce	5	5
Metal trunk, approx 1x0.5x0.5m	Pce	1	1
Nylon cord, 100m, medium thickness	Pce	1	6
Plastic cups, with handle	Pce	10	10
Small alarm clock with second hand, for counting respirations	Pce	2	2
Soap, hand use, 250g bar - for OTP children or error referrals	Pce	800	800
Soap, hand use, 250g bar	Pce	8	8
Teaspoons	Pce	10	10
Water jug with lid, for preparing sugared water, plastic, 5L	Pce	2	2
Water tanks, 50L, for static sites	Pce	2	12
Routine Medicines for OTP			
Albendazole, 200mg *(check national protocol)*	Tab	1000	1000
Albendazole, 400mg *(check national protocol)*	Tab	1000	1000
Amoxicillin, 125mg/5ml, dry powder fr. 100ml oral susp.	Btl	200	200
Amoxicillin, 250mg, breakable tab	Tab	1000	1000
Artemisin-based Combination Therapy blisters: 1 blister: ARTESUNATE 3x50mg + AMODIAQUINE 3x153mg base *(check national protocol)*	Blister	200	200
Folic Acid, 5mg	Tab	1000	1000
Mebendazole, 100mg *(check national protocol)*	Tab	4000	4000
Mebendazole, 500mg *(check national protocol)*	Tab	4000	4000
Rapid diagnostic test, malaria *(check national protocol)*	Pce	200	200
Vitamin A (Retinol), 100,000 IU, stabil., soft gelat.	Cap	1000	1000
Vitamin A (Retinol), 200,000 IU, stabil., soft gelat.	Cap	1000	1000
Therapeutic Foods			
Plumpy nut, sachet of 92g, box of 150 sachets, 13.8kg	Box	200	200
Additional Medicines for OTP			

Bag, plastic, for drugs, 6 x 8cm	Pce	200	200
Benzyl benzoate, 25%, lotion, 1L	Btl	1	1
Chloramphenicol, 250mg	Cap	1000	1000
Chloramphenicol, syrup	Btl	50	50
Cotton Wool, hydrophilic, 500g	Roll	5	5
Gentian, Violet, powder, 25g	Btl	2	2
Gloves, examination, latex, single use, medium, non-sterile	Box	1	1
Metronidazole, 125mg/5ml, dry powd.fr 100ml oral susp.	Btl	50	50
Metronidazole, 250mg	Tab	1000	1000
Nystatin, 100,000 IU/ml, oral suspension	Btl	20	20
Paracetamol (acetaminophen), 100mg	Tab	1000	1000
Paracetamol (acetaminophen), 120mg/5ml, syrup, 60 ml	Btl	50	50
Povidone Iodine, 10%, solution, 200ml, dropper btl	Btl	2	2
Quinine Sulphate, 200mg	Tab	1000	1000
Resomal, rehydration for severe malnourished, sach. 84g/2L	Sachet	33	33
Tetracycline, 1%, eye ointment, 5g, sterile tube	Tube	100	100
Whitfields ointment	Tube	50	50
Dressing Materials (must be ordered as an additional optional module)			
Bandage gauze, 8cm x 4m, with list, 17/18 threads	Pce	10	10
Compress, gauze, 10cm, 12 ply, 17 threads, non-sterile	Pce	20	20
Dressing scissors	Pce	2	2
Normal saline for wounds 100ml or 200ml	Pce	10	10
Tape, adhesive, zinc oxide, roll, 2cm x 5m	Roll	2	2
Zinc Oxide, 10%, ointment, 100g	Tube	10	10

PACKING INFORMATION

Packing information for a kit for one site.

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.2	3000

SUPPLEMENTARY FEEDING PROGRAMME KIT (SFP)

KIT

CODE: NT014

DESCRIPTION

The Supplementary Feeding Programme (SFP) kit lists all supplies needed to equip one mobile team servicing 6 distribution sites/health centres, assuming that the food is being supplied separately. Additional supplies will be needed if supplies are to furnish secure facilities and/or to facilitate service delivery by Ministry of Health on a static basis. Supplies are appropriate for initial enrolment of about 300 children and further admissions of 300 children (OTP supplies cover a proportionately smaller case load in order for kits to cover a similar timeframe). Consider also furnishing needs (folding tables, chairs and plastic mats) as well as food mixing equipment if premixing and packing food stuffs (aprons, plastic tarpaulins, plastic bags or, preferably, bucket with lid for carrying rations).

PRICE

Ex Works ESTIMATE
700 GBP per kit

TECHNICAL SPECIFICATION

Equipment and supplies for SFP with estimated enrolment of 300 children

Description	Unit	Qty [2]	Qty [3]
Stationery [4]			
Envelopes for filing cards, transparent plastic, A4	Pce	600	600
SFP cards for new admissions	Pce	600	600
SFP file for admission cards, A4 lever arch	Pce	3	18
SFP ration cards for new admissions	Pce	600	600
Tallysheets for SFP	Pce	6	36
Transfers forms	Pce	100	100
Equipment			
Board, height/length & head block, 130cm long, wooden (no need if taken from OTP kit list)	Pce	4	4
Bracelet, identification, 'Ident-A-Band', SFP, blue, box of 400 bracelets	Box	2	2
Salter scale 25kg, 100gr graduation, including parts: hooks, hanging bar, trousers/sling (no need if taken from OTP kit list)	Pce	4	4
Salter scale 50kg, 200gr graduation; plus hooks (no need if taken from OTP kit list)	Pce	1	1
Equipment			
Aprons, plastic, durable	Pce	6	6
Bucket, with lid, plastic, 10L (for taking home ration)	Pce	600	600
Jug, plastic, 2L	Pce	2	2
Metal trunk, approx 1x0.5x0.5m	Pce	1	1
Mixing bowl, plastic, 100-150L	Pce	2	2
Paddles, plastic, 90cm	Pce	2	2

[2] Quantity for one base location with 300 children
[3] Typical Emergency Set–up (6 sites, mobile team)
[4] Refer to Valid International CTC Manual, 2006 for all forms and templates

Plastic sheeting, 180 gsm, 4 x 6m roll	Roll	2	2
Soap, hand use, 250g bar - for SFP children or error referrals	Pce	2400	2400
Routine Medicines for SFP (estimated enrolment of 300 children)			
Albendazole, 200 mg *(check national protocol)*	Tab	1000	1000
Albendazole, 400 mg *(check national protocol)*	Tab	1000	1000
FeFol (Ferrous Folate, 200mg, 0.25ug) *(check national protocol)*	Tab	4000	4000
Mebendazole, 100 mg *(check national protocol)*	Tab	4000	4000
Mebendazole, 500 mg *(check national protocol)*	Tab	4000	4000
Vitamin A (Retinol), 100,000 IU, stabil. soft gelat.	Cap	1000	1000
Vitamin A (Retinol), 200,000 IU, stabil. soft gelat.	Cap	1000	1000

PACKING INFORMATION

Packing information for a kit for one site.

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.95	125

STABILISATION CENTRES KIT

KIT

CODE: NT015

DESCRIPTION

This Kit contains all supplies required for the setup of one centre/ward and treatment of about 50 children. Patient records (see Stationery – forms) should be created by relevant technical staff, taking into account any existing MoH formats and formats which staff are familiar with. Medical supplies are based on those required when following protocols based on standard Valid/WHO/UNICEF protocols. Consider requirements for water supplies, incinerators and furnishing needs.

PRICE

Ex Works ESTIMATE
2,500 GBP per kit

TECHNICAL SPECIFICATION

Equipment, supplies and drugs for stabilisation centres (50 children)

Description	Unit	Qty
Stationery (forms)		
BMI table: adults/laminated	Pce	2
Follow up nutrition treatment cards	Pce	250
Individual treatment charts	Pce	100
Transfer forms	Pce	100
Weight for height % table (children)/laminated	Pce	3
Weight/height table: adolescent boys/laminated	Pce	2
Weight/height table: adolescent girls/laminated	Pce	2
Stationery (materials)		
Book, hardback, A4 ruled	Pce	1
Calculator	Pce	2
Envelopes, transparent plastic, A4	Pce	100
File, A4 lever arch file for admission cards	Pce	1
Marker pens, permanent ink	Pce	4
Notebook, A5 ruled	Pce	2
Pens, ballpoint, black/blue, box of 50	Box	1
Scissors	Pce	2
Stapler, with box of 5000 staples	Pce	1
Equipment (anthropometry & registration)		
Board, height/length & head block (130cm long, wooden)	Pce	2
Bracelet, identification, 'Ident-A-Band', SC, white, box of 400 bracelets	Box	1
Height board for adults	Pce	1
Infant bench scale/balance beam scale	Pce	1
MUAC tape, adults	Pce	4
MUAC tape, children	Pce	8
Salter scale plus parts and pants, 25kg 100gr graduation	Pce	2
Valid International CTC Manual, 2006	Pce	1
Weighing scales for adults, floor scale	Pce	1
Equipment (kitchen)		

Buckets with lids, 10 litre plastic	Pce	4
Cooking pots, 100 litre	Pce	1
Cooking pots, 50 litre	Pce	3
Cooking pots, smaller size, 5-10 litre	Pce	2
Jerrycans, plastic, 20 litre	Pce	5
Knife, large	Pce	1
Ladles, metal, length 43cm, volume 250ml	Pce	2
Measuring jugs, 2 litre graduated plastic	Pce	4
Mugs, plastic, 500ml	Pce	100
Pestle and mortar	Pce	1
Plates, plastic	Pce	100
Precision scale, kitchen scale, 5kg	Pce	1
Scissors, large	Pce	2
Spatulas, wood	Pce	2
Tablespoons, metal	Pce	100
Teaspoons, metal	Pce	50
Thermos, 1-2 litre	Pce	5
Whisks, metal	Pce	2
Miscellaneous		
Alarm clock	Pce	2
Batteries, for torches and clocks	Pce	10
Blanket, min 50% wool, 150 x 200cm x 5mm, TOG 2-2.5	Pce	50
Cleaning liquid, 5L	Pce	5
Lamp, kerosene	Pce	4
Kerosene, 10L	Btl	4
Linen Cord, 50m	Roll	1
Matches, box	Box	20
Metal trunk, approx 1x0.5x0.5m	Pce	2
Nylon cord, 5m	Pce	1
Padlocks	Pce	4
Plastic mats	Pce	20
Torches	Pce	4
Therapeutic foods		
F-75, therapeutic milk powder, supplied with graded measuring spoon, sachet of 410g, box of 20 sachets, 8.2kg	Box	5
F-100, therapeutic milk powder, supplied with graded measuring spoon, sachet of 456g, box of 30 sachets, 13.68kg	Box	12
Plumpy nut, sachet of 92g, box of 150 sachets, 13.8kg	Box	9
Drugs		
Albendazole, 200mg *(check national protocol)*	Tab	1000
Albendazole, 400mg *(check national protocol)*	Tab	1000
Amodiaquine, eq. 200mg base (260mg hydrochloride) br	Tab	500
Amoxicillin, 125mg/5ml, dry powder, 100ml oral susp.	Btl	100
Amoxicillin, 250mg, breakable tab	Tab	1000
Ampicillin, 500mg, (IM-IV), powder	Vial	200
Artesunate 12x50mg+Amodiaquine 12x153mg base, blister adult, pack of 24 *(check national protocol)*	Pack	20
Artesunate 3x50mg + Amodiaquine 3x153mg base, blister child, pack of 6 *(check national protocol)*	Pack	50
Artesunate 6x50mg + Amodiaquine 6x153mg base, blister youth, pack of 6 *(check national protocol)*	Pack	20
Artesunate, 50mg, breakable tab *(check national protocol)*	Tab	300
Benzyl benzoate, 25%, lotion, 1L	Btl	2

Chloramphenicol, 250mg	Cap	1000
Chloramphenicol, syrup	Btl	20
Dextrose, 5%, 500ml, plastic pouch, + set	Btl	30
Digoxin, 0.25mg/ml, 2m	Amp	20
Folic Acid, 5mg	Tab	1000
Furosemide, 10mg/ml, 2ml	Amp	20
Gentamicin, 40mg/ml, 2ml	Amp	200
Gentian, VIOLET, powder, 25g	Btl	3
Glucose hyper, 50%, 50ml	Vial	20
Hydrocortisone Sodium Succin., eq. 100mg base, powder	Vial	30
Mebendazole, 100mg *(check national protocol)*	Tab	1000
Mebendazole, 500mg *(check national protocol)*	Tab	4000
Metronidazole, 125mg/5ml, dry powd.fr 100ml oral susp	Btl	20
Metronidazole, 250mg	Tab	1000
Nystatin, 100,000 IU/ml, oral suspension	Btl	50
Paracetamol (acetaminophen), 100mg	Tab	1000
Paracetamol (acetaminophen), 120mg/5 ml, syrup, 60ml	Btl	50
Povidone Iodine, 10%, solution, 200ml, dropper btl	Btl	5
Quinine Di-Hydrochloride, 300mg/ml, 2 ml	Amp	100
Quinine sulfate, 300 mg	Tab	1000
Rapid diagnostic test kit, malaria test *(check national protocol)*	Kit	200
Resomal, sachet 84g/2l, box of 130 (rehydration for severe malnourished)	Box	1
Ringer Lactate, 500ml, plastic pouch, + giving set	Btl	30
Tetracycline, 1%, sterile eye ointment, 5g	Tube	150
Vitamin A (Retinol), 100,000 IU, stabil. soft gelat.	Cap	1000
Vitamin A (Retinol), 200,000 IU, stabil. soft gelat.	Cap	1000
Vitamin A (Retinol), 50,000 IU, stabil. soft gelat.	Cap	1000
Whitefields ointment	Pce	5
Zinc Oxide, 10%, ointment, 100g	Tube	1
Medical equipment		
Bag, plastic, for drugs, 6 x 8cm	Pce	1000
Bandage gauze, 8cm x 4m, with list, 17/18 threads	Pce	20
Batteries (for thermometer)	Pce	5
Compress, gauze, 10cm, 12 ply, 17 threads, non-sterile	Pce	100
Compress, gauze, 10cm, 12 ply, 17 threads, sterile	Pce	100
Cotton wool, hydrophillic, 500g	Roll	2
Depressor, tongue, wooden	Pce	200
Dressing scissor	Pce	2
Forceps, kocher pince	Pce	4
Gloves, examination, latex, single use, medium	Box	5
Infusion, giving set	Pce	200
IV Catheter, injection port, s.u. 20G (1.0 x 32mm), pink	Pce	50
IV Catheter, injection port, s.u. 22G (0,8 x 25mm), blue	Pce	50
IV Catheter, injection port, s.u. 24G (0.7 x 19mm) yellow	Pce	50
Kidney Dish, 26cm x 14cm, stainless steel	Pce	2
Needle, Luer, s.u. IM, 21 G (0.8 x 40mm), green	Pce	100
Needle, Luer, s.u. SC, IM child 23 G (0.6 x 30mm) blue	Pce	100
Scalp vein infusion set, s.u. 21G (0.8 x 19mm) green	Pce	50
Scalp vein infusion set, s.u. 25G (0.5 x 19mm), orange	Pce	50
Stethoscope, double cup, clinician	Pce	2
Syringe, s.u., Luer, 10ml	Pce	100
Syringe, s.u., Luer, 2ml	Pce	100
Syringe, s.u., Luer, 5ml	Pce	100

Syringe, s.u., Luer, feeding, 60ml	Pce	20
Tape, adhesive, zinc oxide, 2cm x 5 m	Roll	5
Thermometer, Celsius, electronic (if appropriate)	Pce	5
Tourniquet, elastic, 100 x 1.8cm	Pce	5
Tube, gastric, conical tip, 125cm, single use, CH6	Pce	20
Tube, gastric, conical tip, 125cm, single use, CH8	Pce	20

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	2.4	750

SHELTER

PRODUCT	CODE
TENT, FAMILY, 17.5M^2	RF024
(larger tents are in the "General Programme Support" chptr)	
SHELTER REPAIR KIT	RF017
PLASTIC SHEETING, 4M X 6M	RF003
PLASTIC SHEETING, 4M X 60M	RF007
PLASTIC SHEETING KIT	RF025
KITCHEN SET KIT	RF001
HOUSEHOLD KIT	RF015
BLANKET, 50% WOOL	RF022
BLANKET, 100% POLYESTER FLEECE	RF014

USER GUIDELINES: SHELTER

The provision of good quality family shelter and household items are an essential element for survival during almost every disaster response, whether it is flooding, urban earthquakes or mass displacements. These items and kits provide privacy and dignity for affected families as well as significant reduction in health and protection vulnerabilities. The materials used comply to internationally agreed standards, and should not be substituted for lower quality than specified without due justification.

The kitchen and household kits should be combined with the Hygiene kit in the WASH chapter to make a fully comprehensive relief package (specifications for buckets are found in WASH). The kits and specifications have been designed to be as generic as possible, but to include the key items, with a child focussed approach to be used or recommended for any response globally. Local variations may be subsequently compiled in country.

A review of the standard number of people in a household should be considered. These lists are all based on a 5 person family household consisting of 2 adults and 3 children, and conform where possible to Sphere 2004 guidelines.

TENT, FAMILY, 17.5M^3

CONTRACT

CODE: RF024

DESCRIPTION

Winterised tent for family of 5, 17.5m^2, for the purpose of providing emergency response shelter. Can be combined with shade net for warmer climates.

Note larger tents are in the "General Programme Support" chapter.

PRICE

Ex Works ESTIMATE
223 USD per tent

TECHNICAL SPECIFICATION

Dimensions: Length 4m, Width 4m, Centre height 2m, Wall Height 0.9m

Borders: Lockstitch, 4-5 stitches per inch. Polycotton corespun thread. Plastics to be heat sealed or cut with hot knife.

Rotproofing: Copper Napthanoate or similar appropriate agent.

Upright poles: 48mm diam OD galvanised steel. 1.5mm min wall thickness. Topped by 120mm galvanised steel pin, 12mm dia, welded to upright pole with lip for fly to rest on.

Ridge poles: 48mm dia OD galvanised steel. 1.5mm min wall thickness, One tube to have 400mm length swaged steel tube to 42mm dia (to fit inside other pole). Each pole to have one 13mm hole drilled at 5 mm from outside end and one at 200mm from inside end.

Rope: 6mm dia polypropylene UV resistant. Cut ends heat sealed with hot knife.

Base plates: 150mm dia galvanised steel plate with welded tube 50mm (to accept upright poles)

	Outer	Lining (Dosouti)	PVC coating for walls	Window mesh	Ground sheet
Material	Canvas. 50% cotton 50% polyester ring spun yarn. Resistance to water penetration by paraffin emulsion and alumacetate.	100% cotton. 32 threads per inch warp and weft.	160-170gsm woven polyester yarn. 1100 detex. Temperature resistance: -30C – 70C BS 3424/10	75 denier multifilament: 36 filament 100% polyester.	Woven HDPE black fibres laminated on both sides with LDPE. Reinforced with 6x 7.5cm wide regularly spaced bands of HDPE fabric and coated outside.
Fabric Weight	Finished weight 320gsm	170gsm	500-610gsm	75 denier; 30gsm +/- 10%	170-200gsm +/- 5%
Fire Resistance	ISO 12952-1 (resistance to a burning	ISO 12952-1 (resistance to a burning		16, CFR 1610	Flash point above 200˚C

	cigarette)	cigarette)			
Tensile Strength	Warp and weft 5kgf.	Warp and weft 30kgf. Both covered by ISO 13934-1	Warp 2000-2250N/5cm, weft 1500-1800N/5cm. ISO 1421	Bursting str ngth: 75 denier, min 250kpa.	10 daN min outside the reinforcing.

Other Features:

- Minimum life span 1 year.
- Packed in a waterproof, rotproof bag with 6 securely stitched carrying handles.
- All seams subject to possible tension are double lock stitched and waterproof.
- Stitching – strong, long-lasting, neat and professional looking seams; orientated to allow rain to run off tent, to prevent retaining water lines and pockets.
- All ropes are knotted to the tent from the factory. All ropes, webbing and toggles are rotproof and UV proof to the same level as the canvas to which they are attached.
- All metal eyelets rustproof and correctly placed and reinforced with a fabric patch. All metal rings rustproof and closed by welding.

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x bale	0.4 (approx)	70kg (approx)

SHELTER REPAIR KIT

KIT

CODE: RF017

DESCRIPTION

This kit is designed to assist a household, or shared between a maximum of 10 households) to make basic repairs to their home or shelter, or to construct basic shelter structure using locally available or distributed construction materials. It should be provided to repair damaged homes when families have not been displaced far, and when they can recover basic construction materials from the damaged site. Consider supplying basic construction materials to complement the repair kit, such as wooden poles or batons, plastic or metal sheeting if required.

PRICE

Ex Works ESTIMATE
50 GBP per kit

TECHNICAL SPECIFICATION

Line item	Description	Quantity
Axe, long handled, 1.5kg head	Pce	1
Bag for packing, canvas	Pce	1
Hammer, claw type	Pce	1
Metal strips, 5cmx30cm	Pce	10
Nail, 12cm	Kg	2
Nail, 10cm, flat headed for roofing	Kg	2
Nail, 4cm	Kg	2
Pliers, with wire cutters	Pce	1
Rope, 7mm, 20m roll	Roll	1
Rubber washers, round (for nailing iron sheeting)	Kg	2
Spade, or shovel	Pce	1
Thick work gloves, large size, pair	Pair	2
Wire, steel, 2mm diameter, roll of 5m	Roll	1
Wood saw, hand	Pce	1
Additional Options		
Corrugated Iron Sheeting, galvanised, 22-gauge for roofing	Pce	10
Machete (instead of axe)	Pce	1
Mosquito mesh, roll of 1 x 5m (for windows and door frames)	Pce	2

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.3	30

PLASTIC SHEETING, 4M X 6M

CONTRACT

CODE: RF003

DESCRIPTION

Plastic sheeting can provide rapid emergency family shelter (two per family) or can be used in the construction of emergency child-friendly spaces, temporary schools or latrines.

PRICE

Ex Works ESTIMATE
10.5 USD per sheet

TECHNICAL SPECIFICATION

Materials:	Black colour HDPE woven fabric, with laminated white LDPE coating on both sides. Weight: 200g/m² ±15%. Fire Resistant.
Size:	4m x 6m
Temperature:	Resistant from -20°C to 80°C
Strength:	Tensile Strength: Minimum 500N (outside of reinforcement bands) Tear Strength: Minimum 100N Bursting Strength: 200 N/cm²
Eyelets:	One strong aluminium or rubber eyelet every 1.00m ±5% along each edge.
Edges:	Sealed edges on all sides (or two sides heat sealed and two sides double stiched)
UV Resistance:	Max. 5 % loss on mechanical strength after 1500 hrs. UV exposure
Packing:	5 pcs per bale – 32 bales per Euro size pallet

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x bale (5 sheets)	69 x 46 x 18	25

PLASTIC SHEETING, 4M X 60M

CONTRACT

CODE: RF007

DESCRIPTION

Plastic sheeting/tarpaulin rolls provides rapid emergency family shelter or can be used in the construction of emergency child-friendly spaces, temporary schools or latrines.

PRICE

Ex Works ESTIMATE
103 USD per roll

TECHNICAL SPECIFICATION

Materials:	Black colour HDPE woven fabric, with laminated white LDPE coating on both sides. Weight: 200g/m² ±15%. Fire Resistant.
Size:	4m x 60m
Temperature:	Resistant from -20°C to 80°C
Strength:	Tensile Strength: Minimum 500N (outside of reinforcement bands) Tear Strength: Minimum 100N Bursting Strength: 200 N/cm²
Eyelets:	One strong aluminium or rubber eyelet every 1.00m ±5% along each edge.
Edges:	Sealed edges on all sides (or two sides heat sealed and two sides double stiched)
UV Resistance:	Max. 5 % loss on mechanical strength after 1500 hrs. UV exposure

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x bale (1 roll)	120 x 80 x 13	50

SHELTER KIT

CONTRACT / KIT

CODE: RF025

DESCRIPTION

Plastic sheeting/tarpaulin provides rapid emergency family shelter or can be used in the construction of emergency child-friendly spaces, temporary schools or latrines. The kit consists of 2 tarpaulins, 30m of rope, and an instruction sheet. This kit should be distributed alongside shelter repair kits.

PRICE

Ex Works ESTIMATE
23.3 USD per kit

TECHNICAL SPECIFICATION

See "Plastic Sheeting, 4m x 6m" for the sheeting specification.

Line item	Description	Quantity
1	Plastic Sheet, 4m x 6m	2
2	30m rope, polypropylene	1
3	Instruction sheet	1

PACKING INFORMATION

Kits will be packed into larger bales of multiple kits.

Packaging	Volume (m^3)	Weight (kg)
1 x kit	0.10 (approx)	10 (approx)

KITCHEN KIT

KIT

CODE: RF001

DESCRIPTION

This kit is designed to enable a displaced family of five to prepare, cook and eat hygienically, or it can be distributed to provide support to a host family. Consider cooking fuel, washing up facilities, and the quantity of water required per family.

PRICE

Ex Works ESTIMATE
18 USD per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Box, cardboard (kit packed in this box)	Box	1
Stainless steel cooking pot, with lid and handle, 3 litre capacity	Pce	1
Stainless steel cooking pot, with lid and handle, 6 litre capacity	Pce	1
Stainless steel kitchen knife, 27cm	Pce	1
Stainless steel mugs, 8cm – 0.4 litre capacity	Pce	5
Stainless steel serving spoon/ ladle (33cms/ 250ml)	Pce	1
Stainless steel soup plates, 22cm	Pce	5
Stainless steel spoons, 18cm	Pce	5

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.02	3

HOUSEHOLD KIT

KIT

CODE: RF015

DESCRIPTION

This kit is designed to support a household of five inside their home or temporary shelter, during displacement or in support of host families. It contains basic household items and is designed to complement other kits (such as Kitchen kit, Hygiene kit, or Shelter Repair kit) or as an independent kit. If distributed alongside other NFI kits, ensure that items are not covered twice.

PRICE

Ex Works ESTIMATE
45 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Blanket, 100% polyester fleece, 150 x 200cm x 5mm, TOG 2-2.5	Pce	5
Mosquito net, long lasting insecticide treated,190x180x150cm	Pce	2
Plastic sheet tarpaulin, 4x6m, min 180 GSM, UV treated	Pce	2
Bucket, plastic with tap and lid, 14L	Pce	1
Candles, 10cm	Pce	5
Jerrycan, collapsible[1] or rigid, plastic, 10L (2/household, Sphere 2004)	Pce	2
Jug, plastic, 2L	Pce	2
Matches	Box	5
Mattress/sleeping mat, 150x200x10cm	Pce	3
Rope, 7mm diameter, 10m	Pce	1
Additional Options		
Spade or shovel	Pce	1
Children's clothing	Set	3
Cooking stove, kerosene/charcoal, with fuel supply for one month	Pce	1
Oil lamp, kerosene, with fuel supply for one month	Pce	1
Torch and battery	Pce	2

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x box	0.3	15

BLANKET, 50% WOOL

CONTRACT

CODE: RF014

DESCRIPTION

Wool/synthetic mix blankets intended for beneficiaries. Recommended usage: 1 per person for warm/temperate climates, 2 per person for cold climates. Not recommended for damp or wet conditions, where a 100% polyester blanket should be used.

PRICE

Ex Works ESTIMATE
3.15 USD per blanket

TECHNICAL SPECIFICATION

Material:	50% wool (virgin or recycled), 50% synthetic
Dimensions:	1.5x2m (thickness 4mm min – ISO 5084)
Fabric Weight:	500gsm minimum ISO 9073-1
Borders:	Whipping (stitched – 10 per 10cm) or selvedge
Thermal Resistance:	Minimum 2.5 TOG (ISO 5085)
Fire Resistance:	ISO 129520-1/2 (resistance to a burning cigarette)
Shrinkage:	Max 8% after 40°C wash.
Load:	0.07g/cm^3
Tensile Strength:	25daN warp and weft minimum. (ISO 9073-3) Max 2% loss after 1 wash, 5% after 5 washes.

FEATURES

- Blanket must be fit for human use and sprayed against mites and moths.
- At time of supply, must be able to last 2 years (handwashed once per month)
- Quality must be primarily determined by thermal resistance factor (TOG).
- Blankets must be free from bad smells, not irritating to the skin, and not dusty.
- Packed in watertight micro-perforated polyethylene bale; card boards top and bottom; compressed and strapped with 4 straps; re-wrapped in polypropylene and strapped again on the outside.

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)
1 x bale (25 blankets)	0.5 x 0.5 x 0.8	42-48

BLANKET, 100% POLYESTER FLEECE

CONTRACT

CODE: RF022

DESCRIPTION

Synthetic blankets intended for beneficiaries. Recommended usage: 1 per person for warm/temperate climates, 2 per person for cold climates.

PRICE

Ex Works ESTIMATE
3.13 USD per blanket

TECHNICAL SPECIFICATION

Material:	100% polyethylene
Dimensions:	1.5x2m
Thickness:	6-8mm under a load of 20g/cm^2
Fabric Weight:	250gsm minimum
Thermal Resistance:	Minimum 2.0 TOG (ISO 5085)
Fire Resistance:	ISO 129520-1/3 (resistance to a burning cigarette)
Edges:	Folded and stitched
Shrinkage:	Max 8% after 40°C wash.
Bursting Strength:	350kpa, minimum of 25kg both ways +/-5%

FEATURES

- Blanket must be fit for human use and sprayed against mites and moths.
- At time of supply, must be able to last 2 years (handwashed once per month)
- Quality must be primarily determined by thermal resistance factor (TOG).
- Blankets must be free from bad smells, not irritating to the skin, and not dusty.
- Supplied in bales of 30 blankets secured with polyester band, approximately 22.5kg per bale

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)
1 x bale (30 blankets)	0.5 x 0.5 x 0.8	22.5

WATER, HYGIENE & SANITATION

PRODUCT	CODE
WATER STORAGE	
GROUND BLADDER TANK, $10M^3$	WA002
ONION PVC TANK, $30M^3$	WA003
TRUCKING BLADDER, $6M^3$	WA004
WATER LIFTING / PUMPING	
SUBMERSIBLE PUMP KIT, GRUNDFOS SQ5-70	WA005
INDIA MARK II DEEPWELL HANDPUMP	WA006
WELL TRIPOD KIT	WA007
SURVEY AUGER KIT	WA008
PUMPSET KIT 2", LIGHTWEIGHT, PETROL ENGINE	WA009
WATER DISTRIBUTION	
TAPSTAND	WA010
DISTRIBUTION PIPE, 32MM, PE	WA011
DISTRIBUTION FITTINGS KIT, 90MM	WA012
DISTRIBUTION PIPE, 90MM, HPPE	WA013
DISTRIBUTION ADAPTATION KIT	WA014
TAPE, PTFE, 12MM	WA015
TOOL KIT, ENGINEER'S	WA016
JERRY CAN, COLLAPSIBLE, 10L & 20L	WA017
BUCKET WITH LID, 14L & 20L	WA018 (14L), WA039 (20L)
BUCKET WITH LID AND TAP, 14L & 20L	WA019 (14L), WA040 (20L)
WATER TREATMENT AND TESTING	
AQUATABS, WATER TREATMENT SACHET	WA040
WATER TREATMENT SACHET	WA020
CHLORINE GRANULES, 25KG	WA021
DELAGUA WATER TESTING KIT	WA022
CONSUMABLES FOR DELAGUA TESTING KIT	WA023
AUTOCLAVE STERILISATION TAPE	WA024
BH DIP METER	WA025
CHEMICAL WATER QUALITY TEST KIT	WA026
WATER QUALITY MEASURING AND TESTING KIT	WA027
POOLTESTER FOR CHLORINE/PH TESTING	WA028
STEAM STERILISER KIT, NON ELECTRIC	WA029
WATER TESTING TABLETS, DPD1	WA030
SANITATION	
PLASTIC SQUATTING SLAB	WA031
LATRINE DIGGING KIT	WA032
SOLID WASTE CLEANING MATERIALS KIT	WA035
PROTECTIVE ITEMS KIT	WA036
HYGIENE PROMOTION	
CHILD TO CHILD KIT (PUPPETS)	WA037
HOUSEHOLD WATER TREATMENT & HANDWASHING KIT	WA038
HYGIENE KIT	WA039

USER GUIDELINES: WASH EQUIPMENT

The three aspects of WASH (Water Supply, Sanitation and Hygiene Promotion) should be considered alongside each other, as all are vital components of an emergency response.

Provision of adequate sanitation avoids the transmission of pathogens into the water supply, and helps people maintain their dignity.

A reliable supply of an adequate quantity of clean water is a vital need for any community; it will stimulate productive work and help to improve personal hygiene, food preparation and health care among the beneficiaries. Planning for the provision of drinking water should take into account their special social, economic and political characteristics, which will determine the approach in the construction, operation and maintenance of service infrastructure. Technology used to supply water in emergencies will probably be different from approaches followed by local urban or rural communities, however the standards and levels of service should be kept similar to those received by the "local neighbours", as far as possible.

The health benefits of providing clean water and sanitation are enhanced by hygiene promotion activities which help to avoid the pollution of water sources and contamination of water within the household. Effective hygiene promotion also provides Save the Children access to the community to ensure their participation in programme design and implementation, and assist in data gathering for monitoring purposes.

- Always consider Water Supply, Sanitation and Hygiene Promotion together.

- All water supply and distribution systems established for the use of communities should be conceived taking into account that their operation and maintenance requirements differ from those of a normal (local) village or town. Local government and sphere standards for provision should be born in mind during response design, as should advice from the WASH cluster if it is operating in the area.

- Communities may themselves have relevant skills and know-how (digging and maintenance of large diameter wells, familiarity with hand or simple motorized pumps, skills in plumbing or masonry). The running and maintenance of water supply systems by communities themselves, with the support of local experts and specialized government agencies, must be assured before the departure of any outside expertise.

- Basic public health education will always prove of importance in ensuring the best use of the supplied water, in avoiding contamination and in ensuring effective communal actions for the successful operation and maintenance of the systems.

- Whenever specialized expertise or equipment is required for the exploration of water sources in complicated hydro geological environments or for other technically complicated activities, such as the purification of surface water, extreme care should be taken to ensure that materials and equipment to establish a water supply and distribution system are found locally, to the maximum extent possible. As a general rule, technology should be kept simple. It should be appropriate to the country and draw on local experience. Efforts should be made to standardize, as far as possible, all special equipment (including plumbing, mechanical and disinfection equipment). In this respect, its availability in local markets, as well as that of the necessary fuel and spare parts and the local familiarity with them and with their operation and maintenance should be priority considerations.

We would like to thank Oxfam GB for the use of their WASH specifications.

GROUND BLADDER TANK, 10M^3

STANDARD

CODE: WA002

DESCRIPTION

High quality PVC bladder tank for the storage and distribution of water in emergency response situations. Use with tapstand and pipe. Capacity 10,000 litres.

PRICE

Ex Works ESTIMATE
700 GBP per unit

TECHNICAL SPECIFICATION

Size:	10m3 bladder tank, 4 x 3.7m
Material:	UV resistant food grade PVC coated polyester fabric. (Min 1100gsm). Material must be suitable for chlorinated drinking water. All seams heat or high frequency welded.
Tank Fittings:	1 x 3" external BSP male stub fitting manufactured from LM25 (or equivalent) aluminium, with anti-chafe patch and flap. 1 x 4" dia (internal) screwed filler cap with captive cord.

Item	Description	Unit	Qty
1	10m³ Bladder tank	Pce	1
2	3" female gate valve, PN16	Pce	1
3	3" (male) to 1" (female) BSP hex reducing bush, GI	Pce	1
4	32mm to 1" (male) BSP coupler for MDPE tube	Pce	1
5	32mm equal T compression coupling for MDPE tube	Pce	1
6	Protective groundsheet extending to at least 1m all round tank when empty	Pce	1
7	Repair kit (no glue),Instructions – bilingual En / Fr.	Kit	1

NOTES

- Designed specifically for use on flat ground, not for transport. Ground must be as level as humanly possible; otherwise the tank will roll away when filled.
- Clear surface of sharp objects that will pierce groundsheet and tank.
- Wherever possible, elevate the tank more than 1.5m above the level of the tapstand to enable the gravity feed.
- The bladder comes with the fittings to connect 2 tapstands but the actual stands and 32mm pipe must be ordered separately. NOTE: Glue, for the repair kit, is classed as Hazardous for airfreight and not shipped with this item. A solvent based, impact adhesive should be purchased locally

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m³)	Weight (kg)
1 x wooden crate	1.25 x 0.65 x 0.54	0.44	95

ONION PVC TANK, 30M^3

STANDARD

CODE: WA003

DESCRIPTION

PVC 'onion' water tank – open topped, self supporting. For water storage and distribution in emergency response settings. Use with tapstand and 32mm pipe. Capacity 30,000 litres.

PRICE

Ex Works ESTIMATE
2000 GBP per unit

TECHNICAL SPECIFICATION

Size: 30m^3 with 5.5m base dia x 4.5m top dia.

Material: Manufactured from UV resistant food grade PVC coated polyester fabric (min 1100gsm). All materials must be suitable for use with chlorinated drinking water. All seams must be either hear or high frequency welded.

Tank Fittings: 2 x 3" BSP male external stubs (fitted opposite each other). Fitting manufactured from LM25 (or equivalent) aluminium. Anti chafe patches and flaps (PVC). 2 x 3" BSP female internal stubs (fitted back to back with male). Stubs manufactured from LM25 aluminium.
2 extra welded patches for additional stubs.

Item	Description	Unit	Qty
1	30m^3 Self-supporting onion tank	Pce	1
2	Each external stub fitted with 3" BSP female gate valve PN16	Pce	2
3	Cover, UV resistant food grade PVC with fixing hasps.	Pce	1
4	Groundsheet	Pce	1
5	Holdall bag	Pce	1
6	3" M to 1" F BSP hex reducing bush – GI	Pce	1
7	32mm to 1" BSP M coupler for MDPE tube	Pce	1
8	32mm equal T compression coupling for MDPE tube	Pce	1
9	Repair kit (without glue), Instruction manual – bilingual En/Fr	Kit	1

NOTES

- Designed specifically for use on flat ground, not for transporting water. Ground must be as level as possible. The ground should still be cleared of sharp objects that may pierce both ground sheet and tank. Kit is supplied with fittings to connect to 2 tapstands but the stands themselves must be ordered separately. Where possible tank should be elevated more than 1.5 m above tapstand level to ensure proper pressure in the taps.

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	0.95 x 1.22 x 112.0	1.3	173

TRUCKING BLADDER, 6m^3

STANDARD

CODE: WA004

DESCRIPTION

Sealed bladder style tank for transporting water in emergency response situations. Designed to be mounted on a flat bed truck. Use with tapstand and 32mm pipe.

PRICE

Ex Works ESTIMATE
1070 GBP per unit

TECHNICAL SPECIFICATION

Size: 6m^3 trucking bladder tank, 4 x 2.2 x 0.65m. 6 tonne maximum weight

Material: UV resistant food grade PVC coated polyester (min 1100gsm). All materials must be suitable for use with chlorinated drinking water.

Tank Fittings: 1 x 4" (internal dia) screwed filler cap with captive cord.
2 x 3" BSP male stub fitting (both at same end) made from LM25 aluminium, fitted with anti-chafe patch and flaps.Heavy duty 50mm polyester webbing with bucketed eye loops and 2x heavy duty webbing straps (2 each end) with bucketed eye loops for securing basis – 14 per unit.

Item	Quantity	Unit	Description
1	1	Piece	6 m^3 Bladder Tank
2	2	Piece	Each stub to be fitted with a 3" BSP female gate valve PN16
3	2	Piece	3" M to 2"M reducers BSP plastic
4	2	Piece	2" BSP equal T (F) plastic
5	4	Piece	2" M to 1" F reducers, plastic
6	4	Piece	1" M hose tail connector, plastic
7	4	Piece	3m lengths of 1" flexible hose pipe
8	2	Piece	Anti chafe patches and flaps
9	1	Piece	Groundsheet
10	1	Piece	Holdall bag
11	1	Kit	Repair kit (no glue). Instructions – bilingual En/Fr

NOTES

- Designed specifically for use on trucks, not for ground use. Loosely tie the bladder down before filling. Fill with pump using a 3" inlet. An inlet at the top is provided to add chlorine
- Fittings have been included to make up a manifold so that water can be supplied directly from the back of the truck via 4 lines of 1" hose where this is required.
- Extra fittings and couplings will need to be ordered to use this with tapstand.

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	1.14 x 0.67 x 0.59	0.463	90

SUBMERSIBLE PUMP KIT, GRUNDFOS SQ5-07 — STANDARD

CODE: WA005

DESCRIPTION

A 3" diameter multi-stage submersible pump set supplied with rising main, wellhead assembly and control panel. Used for pumping water depth 25-60m.

PRICE

Ex Works ESTIMATE
6890 GBP per kit

TECHNICAL SPECIFICATION

Flow rate:	5m³/hr at rated head 73m
Pump Size:	3" diameter pump
Motor:	Single phase
Electrical Protection:	Connected in series to pump power supply from generator
Power Requirement:	2.2kW (approx 4kW for starting) or 6kVA

NOTES

- The Pro-quip Boreline installation kit is designed for raising and lowering pumps where the flexible rising main is fitted.
- Flow metre installation: Manufacturers recommend that a straight length of tube (5-10 times the diameter of the tube) is used before and after the meter, to ensure laminar flow through the meter. Field experience has shown that adequate and consistent accuracy can be obtained when using a 300mm straight length before the meter; this is supplied with the kit.
- This submersible pump will require a single phase power supply
- Pump protection: This pump does not require low water level probes, as thermal/resistance protection is built in to the pump. However, when used against low total heads (<30m), back-pressure should be introduced by installation and partial closure of an additional gate valve (once correctly set the valve wheel should be removed).
- The pump is supplied without a flow sleeve, if required this must be ordered separately. A flow sleeve is used to solve problems of motor overheating and the build up of corrosive deposits. A flow sleeve is a plastic cylinder that covers the motor and pump intake. During pumping all water is drawn through the sleeve which cools the motor. The flow sleeve has an external diameter of 6".

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m³)	Weight (kg)
2 x wooden crate	Crate 1: 1.16 x 1.16 x 0.65 Crate 2: 3.15 x 0.17 x 0.25	1.6	Crate 1: 190kg Crate 2: 55kg

DEEPWELL HAND PUMPS, INDIA MARK II

STANDARD

CODE: WA006

DESCRIPTION

India Mark II Deep well hand pump as per Bureau of Indian Standard Specifications (15500-2004) with 63.5mm dia cast iron brass sleeved cylinder assembly. Recommended for water level setting depth of 20-45 metres.

PRICE

Ex Works ESTIMATE
320 GBP for pump assembly parts
11 GBP per m for pipe and rods
Total cost depends on number of riser pipes and pump rods required

TECHNICAL SPECIFICATION

Construction:	Modular, comprising 6 assemblies
Pump Body:	Fabricated MS, galvanised corrosion resistant
Cylinder:	Direct action reciprocating
Ideal Speed:	40 strokes per minute
Space Requirement:	Circular, 2 metres
Operating Mechanism:	Manually operated handle
Minimum ID of Bore:	100 mm (Suitable for 100mm-150mm dia bore wells)
Approximate Discharge:	900 litres per hour (at 40 strokes per minute)
Cylinder Stroke Length:	125 mm (+/- 4 mm)
GI Riser Pipe:	32 mm NB x 3 metre length
MS/SS Connecting Rod Diameter:	12 mm x 3 metre length

NOTES

- Easy to operate for women and children
- Pedestal designed to prevent contamination of the bore well
- Suitable for use on 100mm-150mm diameter bore wells
- Option for GI , SS or uPVC riser pipes as per user requirement
- Low initial investment
- Low annual maintenance cost
- Can be adopted to use on sanitary (Open wells) wells
- Applications include; community rural water supply, public water supply for peri-urban communities, school water supply, institutional water supply in remote area, Emergency water supply for relief camps

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)
1 x wooden crate	various	various

WELL TRIPOD KIT

STANDARD

CODE: WA007

DESCRIPTION

Heavy duty tripod and winch kit for working over wells and pits. Suitable for lowering concrete well rings and other heavy items. This kit is also suitable for loading heavy equipment on/off pickups and removing engines from vehicles.

PRICE

Ex Works ESTIMATE
3000 GBP per kit

TECHNICAL SPECIFICATION

Maximum Lift (from ground): 4.5 metres
Max Lift Weight: 2 tonnes (approx)

Item	Description	Unit	Qty
1	Steel tripod, length 6m, in parts of 2.4m, 1.5m and 2.1m	Pce	1
2	Spare head for tripod	Pce	1
3	Hand winch, gear ratio 1:4, with two handles	Pce	1
4	50 metre(s) Galvanised steel wire, 10mm (for winch)	Roll	1
5	Pulley block with swivel hook, 8"Ø, 2 tons capacity	Pce	1
6	Pulley block with flap door, 5" diam	Pce	1
7	Double pulley block, 5" diam	Pce	1
8	Steel footplates 330mm × 330mm	Pce	4
9	D-shackles 26mm	Pce	3
10	Thimbles - for 10mm wire	Pce	6
11	Clamps - for 10mm wire	Pce	12
12	Swivel hook, capacity 3 tons, with safety latch	Pce	1
13	Swivel hook, capacity 3 tons, with ball bearing.	Pce	1
14	Pulley block 6" diam, with glacier bush, capacity 2 tons	Pce	1
15	Pulley block with flap door 6" diam with glacier bush, capacity 2 tons	Pce	1
16	Double pulley block, 6" diam with glacier bush, capacity 3 tons	Pce	1

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x wooden crate	2.8 x 0.80 x 0.60	485	1.34

SURVEY AUGER KIT

STANDARD

CODE: WA008

DESCRIPTION

Kit for hand drilling trial boreholes for ground exploration (up to 26m in soft formations) and to measure hydraulic conductivity (up to 15m). Used to asses near-surface geology and to enable measurement of hydraulic conductivity and therefore, calculate the rate of recharge and yield prior to digging a well.

PRICE

Ex Works ESTIMATE
3500 GBP

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Pumphead jolly jumper (foot operated pump)	Pce	1
2	Riser pipes 1½" × 0.5m	Pce	1
3	Riser pipes 1½" × 1m	Pce	15
4	Riser clamp 1½"	Pce	1
5	Flexible hose 32/42mm × 0.6m	Pce	1
6	Hose clips, 5/4" diam	Pce	4
7	Footvalve with strainer	Pce	2
8	Water level meter, 10m	Pce	1
9	Steel head for casing 90/76mm	Pce	1
10	Casing, plain ABS with steel thread connector 90/76mm diam × 0.5m	Pce	1
11	Casing, plain ABS with steel thread connector 90/76 mm diam × 1m	Pce	12
12	Casing, slotted with steel thread connector 90/76mm diam × 1m	Pce	3
13	Steel shoe for casing 90/76mm diam	Pce	1
14	Tommy bar	Pce	1
15	Clamps for casing 90mm diam	Pce	2
16	Retriever for casing 90mm diam	Pce	1
17	Spanners/catchers for screw connection	Pce	2
18	Auger cleaner	Pce	1
19	Pipe wrenches 3" diam	Pce	2
20	Flight auger 70mm diam	Pce	1
21	Flight auger 100mm diam	Pce	1
22	Spiral auger 40mm diam	Pce	1
23	Stone auger 70mm diam	Pce	1
24	Stone catcher 70mm diam	Pce	1
25	Handle 26mm diam × 1m	Pce	1
26	Handle 26mm diam × 0.5m	Pce	1
27	Extension rods 26mm diam × 1m	Pce	20
28	Sets spare conical thread connectors	Pce	5
29	Open clay auger 70mm diam	Pce	1
30	Open clay auger 100mm diam	Pce	1

31	Riverside auger 70mm diam	Pce	1
32	Spare ring with teeth 70mm diam	Pce	1
33	Riverside auger 100mm diam	Pce	1
34	Spare ring with teeth 100mm diam	Pce	1
35	Bailer 63mm diam	Pce	1
36	Spare valve for bailer 63mm diam	Pce	1

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	1.25 x 0.85 x 0.55	0.6	230

PUMPSET KIT, 2", LIGHTWEIGHT, PETROL ENGINE — STANDARD

CODE: WA009

DESCRIPTION

Lightweight, water pump set with petrol engine; ideal for first phase emergency situation where portability is required (i.e. water trucking) as it can be easily carried by two people.

PRICE

Ex Works ESTIMATE
620 GBP per set

TECHNICAL SPECIFICATION

Pump: 2" self-priming centrifugal pump of thermoplastic construction, fitted with long life carbide/carbon mechanical seal and BSP(M) steel outlet and inlet sockets, supplying minimum 200 L/min at 20m head.

Engine: Single cylinder, OHV, petrol engine, complete with low oil protection. Mounted inside a tubular steel roll over frame with anti-vibration mounts.

Item	Description	Unit	Qty
1	KESTREL 101 – 2"pump/Briggs&Stratton 0854324 HP'Vanguard' OHV petrol engine	Pce	1
Hoses and Fittings			
2	6 metre(s) of 2" Lightweight vinyl, reinforced, flexible, suction hose	Roll	1
3	15 metre(s) of 2" Layflat delivery hose	Roll	1
4	2" BSP(F) Hose coupling with a 90° bend, high impact polpropylene	Pce	1
5	2" BSP(F) Hose coupling straight, high impact polpropylene	Pce	1
6	2" Filter/footvalve, push-on thermoplastic	Pce	1
7	2" Hose clips	Pce	3
Spares and Tools			
8	Tool kit, comprising: spark plug spanner, screwdriver and oil drain plug spanner	Pce	1
9	0.6 litre containers of start-up engine oil (each container allowing 1 complete refill)	Pce	5
10	Empty 5 litre plastic petrol can	Pce	1
11	Spares for 500 hours operation comprising: 1 spark plug, 1 air filter element, 1 air filter cartridge, 1 right angle female coupling, 1 straight female coupling, 2 × 2", BSPT/NPT barrel nipples, 3 × 2" hose clips	Set	1

NOTES

- This lightweight pump is intended for use in first phase situations (i.e. water trucking), or where water facilities are set up and dismantled rapidly (i.e. transit camps). Its durability will not be as good as heavy-duty diesel engined pumps and so its service life will be shorter.
- If purchasing locally, factors to be considered include: quality/durability of equipment, reliability, performance, full specification of kit, compatibility with other equipment, and spare parts availability.

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	0.64 x 0.52 x 0.85	0.3	52

TAPSTAND

STANDARD

CODE: WA010

DESCRIPTION

Tapstand to enable water distribution during emergency response situations. Use with 32mm pipe and either mains or tank water source. Kit normally used in conjunction with 32mm PE pipe.

PRICE

Ex Works ESTIMATE
208 GBP per set

TECHNICAL SPECIFICATION

Tapstand comprising the following components pre assembled, with all joints welded using water tight bonding sealant. Welded surfaces should have weld faces cleaned of galvanising by mechanical abrasion to allow good welding. All external welded surfaces to be double coated with zinc galvanised paint. All internal surfaces to be double coated with non toxic paint (WRC approved for drinking water use) by pouring paint into the frame, pouring away excess and allowing to dry.

Item	Description	Unit	Qty
1	GI 1" dia plain T connected to 2 standard lengths of 340mm long GI pipe 1" dia pipes threaded at each end.	Pce	1
2	GI 1" dia crosses, connected to 2 lengths of 140mm GI 1" dia threaded at each end, screwed into the transverse joints.	Pce	1
3	1" dia sockets welded onto underside of the 130mm long sections at an angle to give legs a splay width of 630mm and length of 1200mm centre to centre at feet	Pce	4
4	Standard lengths of 225mm long GI pipe ¾" dia, threaded at both ends with 1" F to ¾" F reducer on one end, with joint made tight by watertight bond sealant.	Pce	4
5	Standard lengths of 225mm long GI pipe ¾" dia, threaded at both ends with 1" M to ¾" F reducer on one end, with joint made tight by watertight bond sealant	Pce	2
6	1" dia galvanised steel frame legs of sufficient length to make distribution stand 790mm in height from centre of pipe to ground level. One end threaded to screw into socket on frame, other with 80mm x 50mm pate welded across end to suit angle of leg splay. Plate drilled with 11mm dia hole.	Pce	4
7	1" dia galvanised steel down pipe threaded both ends, 690mm long, or such that down pipe with 32mm compression to 1" BSP coupler fitted, does not project below stand feet once assembled. Complete with 1" galvanised T (F) c/w 1" galvanised plug connected to one end and joint made tight with watertight bond sealant	Pce	1
8	M10 x 100mm long coach bolts and nuts, for mounting on metal frame	Pce	4
9	3/8" x 3" long coach screws, for mounting on timber frame	Pce	4
10	Pack containing 1 roll PTFE tape and 4 x M10 nuts	Kit	1
11	1" BSP (M) x 32mm dia uPVC compression coupling	Pce	4
12	¾" dia BSP F even products tap	Pce	6
13	¾" dia BSP F galvanised end cap	Pce	3
14	3" (88/92mm) 1" gunmetal self tapping ferrule strap c/w stainless steel nuts&bolts.	Pce	1
15	½" to 1" ferrule key.	Pce	1

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m3)
1 x wooden crate	0.11x1.01x0.37	30	0.041

DISTRIBUTION PIPE, 32MM, PE

STANDARD

CODE: WA011

DESCRIPTION

Medium density polyethylene (MDPE) pipe for connecting water source with distribution tapstand. Order tapstand separately, Compatible with 10m³ ground bladder and 30m³ onion tank.

PRICE

Ex Works ESTIMATE
30 GBP per 50m

TECHNICAL SPECIFICATION

Length:	50m
Diameter:	32mm outer diameter
Pressure Rating:	12 bar
Material:	MDPE, blue

NOTES

- Normally used in conjunction with the distribution tapstand, order this item separately
- Typically one roll will be adequate for 5 tapstands.

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m³)	Weight (kg)
1 x Roll	1.0 x 1.0 x 0.190	0.1900	14

DISTRIBUTION FITTINGS KIT, 90mm

STANDARD

CODE: WA012

DESCRIPTION

Selection of fittings for PE and uPVC pipe.

PRICE

Ex Works ESTIMATE
500 GPB per kit

TECHNICAL SPECIFICATION

Line Item	Description	Unit	Qty
1	90mm compression Tee, PE	Pce	3
2	G307 90mm × 3" BSP(M) Adaptor, PE	Pce	6
3	90mm compression Elbow 90°, PE	Pce	2
4	G301 90mm compression Coupler, PE6 each G320 3"BSP(M) Nipple, GI	Pce	3
5	3" BSP(F) End cap, GI	Pce	2
6	G325 3" BSP(F) Elbow, GI	Pce	3
7	G323 3" BSP(F) Tee, GI	Pce	3
8	3" BSP(F) 'Y' strainer, brass with 2 spare coarse screens	Pce	1
9	3" BSP(M) Hose connector, MI	Pce	2
10	3" BSP(F) Hose connector, MI	Pce	4
11	G318 3" Hose clip, bolted type (86–91 mm)	Pce	6
12	G101 32mm compression Coupler, PE	Pce	4
13	32mm compression Elbow 90°, PE	Pce	4
14	roll(s) GPT PTFE jointing tape 12mm wide, 12m	Pce	20
15	DV ¾" Tap	Pce	2

NOTES

- These fittings are intended for metric PE pipe but can also be used for uPVC pipe. Pressure ratings when used on PE pipe are 12.5 bar at 20°C (10% reduction at 30°C). The pressure rating of the fittings may not be fully achieved when used with uPVC pipe, as the compression fittings will not bite as effectively into uPVC. At 4 bar they may shows signs of leakage and thrust blocks will be required at higher pressures.
- Where local purchase of fittings is required and compression fittings are not normally available, either push fittings complete with rubber O rings or solvent cement joints can be used, but they will require thrust blocks (to prevent bursts at the joints). Pressure rating depends on the class of fittings, the quality of cement and of the workmanship. It should be possible to achieve a maximum pressure rating of 12.5 bar using the right materials.
-

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	0.78 x 0.78 x 0.51	0.3	90

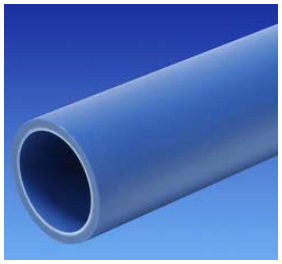
DISTRIBUTION PIPE, 90MM, HPPE

STANDARD

CODE: WA013

DESCRIPTION

HPPE pipe for water distribution systems. 500 metres of pipe in 50 metre coils



PRICE

Ex Works ESTIMATE
2400 GBP per 500m pipe

TECHNICAL SPECIFICATION

Outside Diameter (OD):	90mm
Material:	PE100 SDR11
Rated Pressure:	16 bar
Length:	50m length, blue

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
10 boxes x coiled and strapped	236cm diam x 36cm each	106 kg each	1.6 each

NOTES

- Blue HPPE pipe is intended for below ground use. However it is UV stabilised and can be used above ground for a few years without serious problems of UV degradation.
- Butt fusion welding or compression fittings may be used with this pipe.

In most regions HPPE, MDPE or uPVC pipe may be available. If alternatives are used, consider the pressure rating required, quality and consistency of the materials, availability of suitable fittings - paying particular attention to the jointing system. If using uPVC ensure that it has been correctly stored and has not been excessively exposed to UV light.

DISTRIBUTION ADAPTION KIT

STANDARD

CODE: WA014

DESCRIPTION

A range of fittings that can be used to link the items in this catalogue with other systems.

PRICE

Ex Works ESTIMATE
545 GBP PER KIT

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	4" hex nipple GS	Pce	2
2	4" equal T (F) GS	Pce	2
3	4" F x 3" F reducer GS	Pce	2
4	3" hex nipple GS	Pce	3
5	3" equal T (F) GS	Pce	3
6	3" F x 2.5" F reducer GS	Pce	2
7	3" F x 2" F reducer GS	Pce	3
8	3" M x 2" F reducer GS	Pce	3
9	3" F x 1" F reducer GS	Pce	2
10	2.5" equal T (F) GS	Pce	1
11	2.5" hex nipple GS	Pce	2
12	2.5" brass gate valve	Pce	1
13	2" hex nipple GS	Pce	4
14	2" hose connector F, c/w washer clinch ring and hose clip	Pce	2
15	2" equal T (F) GS	Pce	2
16	2" F x 1.5" F reducer GS	Pce	1
17	2" F x 1" F reducer GS	Pce	1
18	1.5" hex nipple GS	Pce	2
19	1.5" brass gate valve	Pce	1
20	1.5" F x 1" F reducer GS	Pce	1
21	Guillemen x 2" BSP M aluminium coupling c/w washer and clinch ring	Pce	6
22	Guillemen x 3" BSP M aluminium coupling c/w washer and clinch ring	Pce	2
23	Storz x 2" BSP M aluminium coupling	Pce	2
24	Guillemen clinch ring key 20-65mm	Pce	1
25	Rolls of PTFE tape	Rolls	20
26	Tubes of silicon type sealant, suitable for air freight	Tube	5
27	Mastic gun for above tubes of sealant.	Pce	1

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	0.44 x 0.62 x 0.42	0.115	68

TAPE, PTFE, 12MM

STANDARD

CODE: WA015

DESCRIPTION

PTFE tape is used for sealing pipe threads by wrapping the tape around the exposed threads of a pipe before it is screwed into place.

PRICE

Ex Works
1.10 GBP ESTIMATE

TECHNICAL SPECIFICATION

Description: PTFE jointing tape 12m roll, 12mm wide

TOOL KIT, ENGINEERS'

KIT

CODE: WA016

DESCRIPTION

Tools for engineering and site installation. Comprehensive kit of high quality tools for engineering and all site installation purposes. Includes pipe thread cutting tools.

PRICE

Ex Works ESTIMATE
1090 GBP per kit

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Toolbox, 964 × 450 × 492mm, heavy duty all-steel, with full length hinge and lifting handles	Pce	1
2	4-tray cantilever toolbox, 430 × 200 × 200mm	Pce	1
3	50mm laminated steel double-locking padlock	Pce	2
4	Measuring tape, 30m/100ft	Pce	1
5	Measuring tape, 5m/16ft	Pce	1
6	Mason's club hammer, 2½ lb, with hickory handle	Pce	1
7	Claw hammer, 16oz, chrome vanadium hardened and tempered head, hardened tubular steel shaft with shock absorbent vinyl grip	Pce	1
8	Wrecking bar, 24" × ¾"	Pce	1
9	General purpose saw, multi-position	Pce	1
10	Spare blade for item general purpose saw	Pce	1
11	Hand saw, hardened and tempered carbon steel 550mm blade	Pce	1
12	Hacksaw frame, adjustable, tubular, for 300 mm blades, supplied with one 300 mm HSS blade	Pce	1
13	Hacksaw blades, 12" × ½" × 18 tpi, blade length 300mm	Pce	1
14	Hacksaw blades, 12" × ½" × 24 tpi	Pce	1
15	Wire scratch brush, 4-row	Pce	1
16	41 piece metric and AF combined socket set	Set	1
17	Square drive bi-hex socket, 17mm × ½"	Pce	1
18	Speed brace, ½", square drive, length 400mm	Pce	1
19	Adjustable spanner, 300mm, chrome vanadium hardened and tempered steel with black phosphate finish, with graduated scale to fixed jaw	Pce	1
20	Adjustable spanner, 200mm, chrome vanadium steel hardened and tempered steel with black phosphate finish, with graduated scale to fixed jaw	Pce	1
21	Adjustable pipe wrench, length 300mm, capacity 45mm, forged hardened and tempered handle, with induction hardened jaws	Pce	1
22	Strap wrench, 200mm capacity, Gedore or Elora brand, w. stitched & riveted strap	Pce	2
23	Self-grip pliers, curved jaw, hardened and tempered steel 220mm	Pce	1

24	Combination pliers, 200mm, heavy duty drop forged chrome vanadium steel and induction hardened cutting edges, with soft grip handles	Pce	1
25	Flat cold chisel, length 300mm, blade width 25mm	Pce	1
26	Flat cold chisel, 9" × 1"	Pce	1
27	Bolster chisel, 3" wide, with moulded handguard	Pce	1
28	Ratchet bit and brace, 255mm sweep	Pce	1
29	Wood bit set, high carbon steel flat blades, sizes 13, 16, 19, 25 and 32mm, for use with bit and brace or power drill	Set	1
30	HSS drills, set of 10, titanium tipped, sizes 1.5–10mm	Set	1
31	Hexagon key set, 10 pieces 1.5-10.0mm	Set	1
32	Hexagon key set, 10 pieces 1/16"-3/4" AF	Set	1
33	Retractable trimming knife, complete with 5 blades	Pce	1
34	Spare blades for trimming knife above	Pce	5
35	Multi-rasp plane, diecast body with plastic handle, blade length 255 mm, with replaceable high carbon steel blade	Pce	1
36	Spare blade for multi-rasp plane above	Pce	1
37	Set of 4 second-cut files, 200mm, soft handles, consisting of flat, half-round, round and three-square profiles	Set	1
38	Adjustable pipe wrench, length 450mm, drop hardened and tempered handle, induction hardened jaws, capacity 65mm	Pce	1
39	Safety goggles	Pce	1
40	Riggers' gloves, red leather	Pair	5
41	Pair of steel line pins, drop-forged, 150 mm, with polypropylene brick line, 18m	Set	1
42	Box section aluminium spirit level, 24" with three vials	Pce	1
43	Heavy-duty rubber torch, 200mm long	Pce	1
44	D cell batteries, pack of 2 - for torch	Pack	1
45	Insulating tape: red, black, green	Roll	3
46	Pipe cutter, 2" capacity, for steel tube, Rothenberger 7.0045	Pce	1
47	Waterpump pliers, 250mm, fully insulated, drop forged hardened and tempered chrome vanadium steel	Pce	1
48	Combination spanners, set of 14, 8–32 mm, forged hardened and tempered chrome vanadium steel	Pce	1
49	Combined ratchet pipe threader, ½"–2" BSPT, (Sealey PTK992)	Pce	1
50	Thread cutting oil, ½ litre	Pce	1
51	Digital multimeter, transistor HFE test facility, illuminated display, DC voltage 200 mV, 2000 mV, 20 V, 200 V, 600 V (accuracy of ±1% max. @ 600 V), AC voltage (accuracy of ±1.2% max. @ 600 V)	Pce	1
52	Chain pipe vice, ¼" to 4" capacity, with mounting bolts, Irwin Record manufacture	Pce	1
53	7-piece VDE approved insulated screwdriver set suitable for working on live circuits, and a mains tester	Set	1

NOTES

- Buying tools locally is recommended but careful attention must be given to quality. In many locations high quality tools are difficult to obtain and cheaper versions may not be fit for purpose.

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x wooden crate	1.0 x 0.6 x 0.6	0.36	110

JERRY CAN, COLLAPSIBLE, 10L & 20L

CONTRACT

CODE: WA017

DESCRIPTION

Jerry cans that can collapse to be packed in small volumes for rapid deployment / ease of storage. Designed for transporting water but can be used for home storage as well

This type of jerry can is more fragile than rigid type, but is preferred in emergency situations for ease of storage and rapid deployment, to be replaced with rigid jerry can or covered bucket for long term use.

PRICE

Ex Works ESTIMATE
1.15 USD per 10l jerry can
2.15 USD per 20l jerry can

TECHNICAL SPECIFICATION

Capacity:	10 litres (2.5 gallon) and 20 litre (5 gallon)
Material:	Tough, flexible food grade UV stabilised low density polyethylene (LDPE).
Weight:	Bottle and cap approx 190g
Dimensions:	10 litre: Full capacity: 22.5 x 22.5 27 cm Folded dimension: 20 x 20 x 6 cm 20 litre: Full capacity 29 x 29 x 33.5 cm Folded dimension: 26 x 24 7 cm
Thickness:	Wall 0.6mm, Top corners 0.35mm, Bottom corners 0.2mm

NOTES

- Moulded carrying handle for adults, built in wide enough for adult male hand. No sharp edges.
- Injection moulded hand screw cap with integral cap, linked to Jerry can to prevent loss.
- Can withstand a drop from 2.5m containing max volume of water at 25°C.
- Must stand by itself even when filled with less than ¼ of volume.
- Operating temperature -20°C - +50°C.

PACKING INFORMATION

Packaging	Dimensions (cm)	Volume (m^3)	Weight (kg)
10L (75 buckets)	86 x 81 x 102	0.538	22.5
20L (40 buckets)	86 x 81 x 102	0.649	23

BUCKET, WITH LID, 14L & 20L

CONTRACT

CODE: WA018 (14L), WA039 (20L)

DESCRIPTION

14 or 20 litre plastic buckets with clip on lid, for rapid response emergency situations. Enables water storage protected from pollution. 50mm opening makes it easier to fill and pour from. The cap is push-on type for a hygienic seal, and attached to the lid to prevent it being lost.

PRICE

Ex Works ESTIMATE
2.90 GBP per bucket

TECHNICAL SPECIFICATION

Plastic:	Food grade high density polyethylene (HDPE)/low density polyethylene (LDPE), injection moulded. UV treated.
Bucket:	100% HDPE
Lid:	40% LDPE 60% HDPE
Handle:	60% LDPE 40% HDPE
Dimensions:	Height 295mm. Top diameter 295mm, bottom diameter 240mm.
Weight:	860 grams (+/- 5%)

NOTES

- Bucket lid can be removed so that vessel can be periodically cleaned.
- Bucket moulded so that the sides meet the base in a curve to eliminate particles and bacteria being trapped in corners.
- Should be durable enough to last several years usage.
- Bottom ridge to prevent scraping/damage to the base.
- Reinforced ring around the lip to prevent ovalling.
- In the field, containers should be distributed with the lids in place, and beneficiaries should be encouraged not to take the lids off and use them as regular buckets. Designed for first phase emergency response, these can also be useful in any water carrying operation.
- Stackable

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x carton (20 buckets)	1.12 x 0.32 x 0.32	0.1147	25
1 x pallet (200 buckets)	1.2 x 1.1 x 1.0	1.3200	196

BUCKET, WITH LID AND TAP, 14L & 20L

CONTRACT

CODE: WA019 (14L), WA040 (20L)

DESCRIPTION

14 or 20 litre plastic bucket with clip on lid for rapid response emergency situations. Enables water storage protected from pollution. 50mm opening makes it easier to fill and pour from. The cap is push-on type for a hygienic seal, and attached to the lid to prevent it being lost.

PRICE

Ex Works ESTIMATE
3.08 USD per bucket

TECHNICAL SPECIFICATION

Plastic:	Food grade high density polyethylene (HDPE)/low density polyethylene (LDPE), injection moulded. UV treated.
Bucket:	100% HDPE
Lid:	40% LDPE 60% HDPE
Handle:	60% LDPE 40% HDPE
Dimensions:	Height (with lid) 320mm. Top diameter 290mm, bottom diameter 240mm.
Weight:	1125 grams (+/- 5%)

NOTES

- Bucket lid can be removed so that vessel can be periodically cleaned.
- Bucket moulded so that the sides meet the base in a curve to eliminate particles and bacteria being trapped in corners. Durable enough to last several years usage.
- Bottom ridge to prevent scraping/damage to the base.
- Reinforced ring around the lip to prevent ovalling.
- In the field, containers should be distributed with the lids in place, and beneficiaries should be encouraged not to take the lids off and use them as regular buckets. Designed for first phase emergency response, these can also be useful in any water carrying operation.
- 210 plastic taps – one at the bottom of each container and 10 spare
- Stackable

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x pallet (180 buckets)	1.4	220

AQUATABS, WATER PURIFICATION TABLETS

STANDARD

CODE: WA040

DESCRIPTION

Chlorine-based water disinfectant tablets to enable drinking water treatment at the household level in first phase emergencies. Tablets come in several sizes to treat different quantities of water.

PRICE

Ex Works ESTIMATE
10 GBP per 200 tabs

TECHNICAL SPECIFICATION

Treatment: Tablets are added to the correct volume of water, as shown below:

Tablet Size	**Less polluted water** 1 tab treats how many litres?	**More polluted water** 1 tab treats how many litres?
8.5 mg of Cl	1	0.5
17 mg of Cl	5	2.5
33 mg of Cl	10	5
67 mg of Cl	20	10

NOTES

Typically, for use in scenarios where it is difficult to have a centralised water point. After explaining to families how to use the tablets, usually during community hygiene promotion activities, a distribution of a 1 months supply would be given for drinking water.

- A family of 5 people, consuming 15 litres per person per day would require 113 tablets (67 mg size) to treat 2250 L of relatively good quality water for a 30 days supply.
- 22,500 Aquatabs (67 mg) are sufficient for a 1 month supply for 1,000 people for relatively good quality water.

Instructions:

- add correct tablet to a container of water
- wait 30 minutes
- water is ready for drinking and should be stored hygienically (for exampke in a bucket with a lid and tap)

WATER TREATMENT SACHET

STANDARD

CODE: WA020

DESCRIPTION

Combined flocculent and disinfectant sachets of powder to enable water treatment at the household level in first phase emergencies. The powder can purify 10-20 litres of water.

PRICE

Ex Works ESTIMATE
0.33 GBP per sachet

TECHNICAL SPECIFICATION

Treatment:

Watermake manufacturer:
Sachet treats 15-20 litres, contains aluminium sulphate and chlorine
PUR manufacturer:
Sachet treats 10 litres, contains iron sulphate and chlorine

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x tri-wall carton with 12,000 sachets	0.69 x 0.45 x 0.45	0.14	41

NOTES

Typically, for use in flooding type scenarios where people are still in their houses and it is impossible to have a centralised water point. After explaining to families how to use the sachet they should be given up to a months supply solely for drinking water. This strategy is only for the first few weeks of an emergency.

- 12,000 sachets is sufficient for providing drinking water (4 litres per person per day) for 1,000 people for 30 days.

Instructions:

- Add contents of sachet to a container and stir
- Wait 30 minutes then pour water into another container, through a filter of cotton cloth to capture the sediment
- Water is then ready for drinking

CHLORINE GRANULES, 25KG

STANDARD

CODE: WA021

DESCRIPTION

Chlorine granules. 25kg tub of sodium dichloroisocyanurate dihydrate (SDIC), containing 55% active chlorine, OR HTH, containing 65% - 70% active chlorine.

PRICE

Ex Works ESTIMATE
12 GBP per 25kg tub

TECHNICAL SPECIFICATION

Standards: Should meet standards: NSF/ANSI Standard 60, JECFA Specification, EN12932: Chemicals used in Treatment of Water Intended for Human Consumption - Chemicals for Emergency Use - Sodium Dichloroisocyanurate Dihydrate

NOTES

- Chlorine granules have a shelf life of approximately 5 years.

Chlorination method with SDIC:

- Weigh out and add 20g of granules to 1 litre of water. Stir to dissolve. (1 teaspoon is very approximately 14g)
- The 1% (10,000 mg/l available chlorine) solution is used to disinfect larger quantities of water (see table below)

Dosing Levels - Volume of 1% solution to be added to **total volume** to achieve required dose concentration (mg/l)

Chlorine Dose Required	**10 litres**	**100 litres**	**1,000 litres**	**10,000 litres**	**100,000 litres**
1 mg/l	1ml	10ml	100ml	1 litre	10 litres
5 mg/l	5ml	50ml	500ml	5 litres	50 litres
10 mg/l	10ml	100ml	1 litre	10 litres	100 litres

- Pre-treatment should ensure that the water turbidity is less than 5 NTU before chlorinating
- Ensure that a minimum contact time of 30 minutes is allowed before consumption
- Ensure a thorough mix, by recirculation where appropriate
- Always test for residual chlorine levels. It is desirable to leave a residual chlorine level of 0.3-0.5 mg/l after 30 minutes contact

Health & Safety

- Personal protection - wear safety glasses. Keep dry and well away from acids. Harmful if swallowed; may be harmful in contact with skin or eyes or if inhaled.Environmental information - very toxic to aquatic organisms, may cause long-term damage in the environment.

PACKING INFORMATION

Please note that this product will have specific shipping requirements due to its chemical composition - please check at time of order.

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x tub	0.38 x 0.38 x 0.35cm	28	0.05

WATER TESTING KIT, DELAGUA

STANDARD

CODE: WA022

DESCRIPTION

The kit includes a portable, battery-powered incubator capable of making five cycles of incubation without mains electricity, generator or vehicle power. Thermo tolerant (faecal) Coliform counts can be obtained within 14 to 18 hours of sampling giving a reliable indication of sanitary risk without need for transport or laboratory facilities. The kit is designed to help provide information about the safety of water supplies in difficult situations or remote areas where laboratory facilities do not exist. The kit allows five important water quality parameters to be tested in the field using well-proven and simple methods.

Portable water quality testing kit to measure for total coliforms and faecal coliforms. This unit has an incubator and a rechargable battery, several test cycles can be done without mains electricity. The kit includes a turbidity tube and Pooltester. A room set up as a laboratory with fridge (to store consumables) and sterilising facilities is required.

PRICE

Ex Works ESTIMATE
1500 GBP per kit

TECHNICAL SPECIFICATION

Thermo tolerant (faecal) Coliform Count:	The kit includes a portable, battery-powered incubator capable of making five cycles of incubation without mains electricity, generator or vehicle power. Thermo tolerant (faecal) Coliform counts can be obtained within 14 to 18 hours of sampling giving a reliable indication of sanitary risk without need for transport or laboratory facilities.
Turbidity Test:	A measure of the amount of suspended matter in a water supply. Suspended material may consume chlorine disinfectants and require treatment before disinfection.
Chlorine and pH Tests:	Many emergency water supplies are dosed with chlorine disinfectant to ensure their safety as drinking water. These tests allow rapid assessment of chlorine levels and aid the efficient control of dosing thereby avoiding waste and ensuring that enough chlorine is present to safeguard the supply.
Total Coliform Count:	The dual incubator kit allows microbiological analysis to be carried out at both 37 and 44 degrees Celsius. The lower temperature is used for the determination of total coliforms. Coliform counts can be made within 16-18 hours and give an indication of contamination of water supplies from environmental and other sources

Item	Qty	Unit	Description
1	1	Pce	Delagua test kit body and carrying case
Ancillaries			
2	1	Pce	FTT Turbidity tube (2 parts)
3	1	Pce	FPO Pooltester, chlorine/pH comparator
4	1	Pce	Incubator lid
5	3	Pce	Stack of Petri dishes with carriers
6	1	Pce	Methanol dispenser
7	10	Pce	Culture medium bottle
8	1	Pce	Forceps
9	1	Pce	Vacuum cup
10	1	Pce	Sample cable
11	1	Pce	Vacuum pump
12	1	Pce	Absorbent pad dispenser
13	1	Piece	Battery charger, 110/240V AC input, 12V DC output
Filtration Apparatus			
14	1	Pce	Plastic collar
15	1	Pce	Funnel
16	1	Pce	Bronze disc
17	2	Pce	Silicon ring
18	1	Pce	Aluminium base
19	1	Pce	Rubber sealing ring
Spares Case Containing			
20	1	Pce	Battery connection cable
21	2	Pce	Silicone ring
22	1	Pce	Bronze disc
23	2	Pce	Rubber sealing ring1
24	1	Pce	Tube of silicon grease
Set of Consumables for 200 tests containing			
25	2	Tube	FGP Absorbent pad, 100 per tub
26	1	Pack	FKM Membrane filter, 200
27	2	Tube	FSB 38g culture medium (membrane lauryl sulphate broth)
28	1	Pack	FD1 DPD1 rapid test tablet, 250
29	1	Pack	FD3 DPD3 rapid test tablet, 250
30	1	Pack	FPR Phenol red rapid test tablet, 250
Spare parts that can be Ordered Separately			
31	3	Sets	16 Petri dishes and carriers, aluminium
32	2	Pce	Broth pad dispenser
33	1	Set	Gaskets (3 off)
34	1	Pce	Brass membrane support disk

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m3)	Weight (kg)
1 x box	0.47 x 0.47 x 0.36	0.1100	15

CONSUMABLES FOR DELAGUA TESTING KIT

STANDARD

CODE: WA023

DESCRIPTION

Kit of consumables for 200 tests for the Delagua testing kit.

PRICE

Ex Works ESTIMATE
90 GBP per kit

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Absorbent pad, 100 per pack	Pack	2
2	Membrane filter, 200	Pack	1
3	38g culture medium (membrane lauryl sulphate broth)	Tube	2
4	DPD1 rapid test tablet, 250	Pack	1
5	DPD3 rapid test tablet, 250	Pack	1
6	Phenol red rapid test tablet, 250	Pack	1

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)
1 x box	0.30 x 0.20 x 0.16	1.0

AUTOCLAVE STERILISATION TAPE

STANDARD

CODE: WA024

DESCRIPTION

Roll of indicator tape, used to indicate whether the sterilisation process has occurred properly.

PRICE

Ex Works ESTIMATE
18 GBP per roll

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Yellow masking type tape with same coloured stripes, 25mm wide, 55m length	Roll	2

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x box	0.13 x 0.13 x 0.05	0.0008	1

NOTES

- This tape should be used when preparing culture media and sterlising petri dishes within the Delagua Water Testing kit.
- The stripes on this tape will change colour after 15 minutes at 121°C or 3 minutes at 134°C, indicating that proper sterilisation has occurred

DIP METER, 100M

STANDARD

CODE: WA025

DESCRIPTION

Tool for measuring level of water in boreholes and wells. It has a light and buzzer signal when the sensor touches water.

PRICE

Ex Works ESTIMATE
300 GBP per tool

TECHNICAL SPECIFICATION

Included Items

- 100m long with light and buzzer signal
- Polyethylene tape reels and stainless steel conductors
- Permanent markings in meters and centimetres
- Probe: stainless steel, leak proof probe, easy to clean.
  Probe size: 12.7mm dia. and 220mm long
- Tape guide - for tape protection and easy, consistent measurement

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x box	0.29 x 0.22 x 0.23	0.02	6

CHEMICAL WATER QUALITY TEST KIT

STANDARD

CODE: WA026

DESCRIPTION

Test kit to measure the presence of different chemicals in water. Includes consumables for 50 tests.

PRICE

Ex Works ESTIMATE
500 GBP per kit

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Standard Comparator Kit	Pce	1
2	Aluminium: Comparator kit, range: 0-0.5mg/l	Pce	1
3	Chloride: Comparator kit, range: 0-1000mg/l	Pce	1
4	Fluoride: Comparator Disc kit, range 0-1.5 mg/l	Pce	1
5	Iron: Comparator Disc kit, range: 0-10mg/l	Pce	1
6	Manganese: Comparator Disc kit, range 0-0.03mg/l	Pce	1
7	Nitrate: Comparator Disc kit, range: 0-15mg/l	Pce	1
8	Nitrite: Comparator Disc kit, range: 0-0.4mg/l	Pce	1
9	Sulphide: Comparator Disc kit, range: 0-5mg/l	Pce	1
10	Zinc: Comparator Disc kit, range: 0-4.0mg/l	Pce	1

	Replacement reagents (x250 tests)	Unit	Qty	Ex Works ESTIMATE GBP
1	Aluminium	Pack	1	42
2	Chloride	Pack	1	50
3	Flouride	Pack	1	50
4	Iron (Medium range)	Pack	1	55
5	Manganese	Pack	1	42
6	Nitrate	Pack	1	62
7	Nitrite	Pack	1	24
8	Sulphide	Pack	1	62
9	Zinc	Pack	1	64
10	5 x replacement test tubes	Pack	1	10

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x box	0.39 x 0.34 x 0.34	3	0.045

WATER QUALITY MEASURING AND TESTING KIT

STANDARD

CODE: WA027

DESCRIPTION

Water quality monitoring equipment. Kit of tools and items used for testing and monitoring water quality during treatment process (e.g. jar tests for the determination of aluminium sulphate or chlorine required).

PRICE

Ex Works ESTIMATE
700 GBP per kit

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Pooltester for both pH and chlorine testing, with 30 DPD1 tablets, 30 Phenol red tablets	Kit	3
2	DPD1 test tablets, 250	Box	6
3	DPD3 test tablets, 250	Box	3
4	Phenol Red test tablets, 250	Box	3
5	Check kit for aluminium range 0–0.5mg/l, with reagents for 30 tests (e.g. Lovibond AF520 or similar)	Kit	1
6	Check kit for total iron (II + III), range 0–10mg/l, with reagents for 30 tests (e.g. Lovibond AF524 or similar)	Kit	1
7	PH checker, range 0–14 c/w tablets for calibration (e.g. Whatman catalogue number 6602 3650 or similar)	Pce	1
8	TDS sensor, high range 100–10,000ppm	Pce	1
9	Thermometer, range –10 to +50°C (spirit filled,non-hazardous)	Pce	1
10	Turbidity tube, 26" two part or similar	Pce	1
11	6.5cm Ø Plastic funnel	Pce	1
12	50ml Plastic measuring cylinder	Pce	1
13	1000ml Plastic beaker, with 100ml graduations	Pce	6
14	100ml Plastic sample bottle, with 10ml graduations	Pce	10
15	10ml Plastic syringe with 1ml graduations	Pce	3
16	9 litre Bucket with lid, with 1 litre graduations	Pce	4
17	0.3mg Long plastic stirring rod	Pce	2
18	Stainless steel dining fork	Pce	2
19	Stopwatch with batteries	Pce	1

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x box	0.56 x 0.39 x 0.52	17	0.1136

POOLTESTER FOR CHLORING/PH TESTING

STANDARD

CODE: WA028

DESCRIPTION

Chlorine AND pH indicator tool. The pooltester is an easy to use tool for measuring free-chlorine (residual), total chlorine and pH (acidity) of water samples.

PRICE

Ex Works ESTIMATE
10 GBP per kit

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Pooltester (Chlorine/pH comparator)	Pce	1
2	DPD1 rapid test tablets (20 Cl residual tests)	Pce	20
3	Phenol red rapid test tablets (20 Ph tests)	Pce	20

NOTES

This kit is supplied with few test tablets. Additional tablets should be ordered at the start of a new programme.

STEAM STERILISER KIT, NON ELECTRIC

STANDARD

CODE: WA029

DESCRIPTION

Pressure cooker with basket for use when preparing and sterilising the media (Lauryl Sulphate Broth) and petri dishes for the Delagua or Wagtech Water Testing Kit.

PRICE

Ex Works ESTIMATE
200 GBP per pce

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	6 litre, polished aluminium, non-electric steriliser (pressure cooker)	Pce	1
2	perforated separator basket with handles	Pce	1

NOTES

- This kit can be used with Autoclave Sterilisation Tape to indicate whether the sterilisation process has occurred properly or not.
- Suitable for electric, gas and solid hotplate.

WATER TESTING TABLETS, DPD1

STANDARD

CODE: WA030

DESCRIPTION

Pack of 250, DPD1 tablets used with a Pooltester to measure residual chlorine in treated water.

PRICE

Ex Works ESTIMATE
15 GBP per pack of 250 tablets

PLASTIC SQUATTING SLAB

STANDARD

CODE: WA031

DESCRIPTION

Self-supporting plastic squatting slab. Pallet of 35 plastic latrine slabs for first phase emergency use. Ideal for family and communal latrines (health centres, feeding centres, schools).

PRICE

Ex Works ESTIMATE
1500 GBP per 35 slabs

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Plastic (LLDPE - UV protected) squatting slabs, red granite colour 1.2m long x 0.8m wide x 55mm thick HDPE (UV protected) hinged hole cover Five M6 x 15mm brass moulded inserts on the underside of the slab - for bolting on a pan and trap	Set	35

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x pallet	1.20 x 0.80 x 2.10	2	396

NOTES

- This slab can be used as a direct drop self-supporting slab or a pour-flush slab. As a direct drop slab it may be used on trenches or pits up to 0.9m wide so that there is at least 10cm of the slab firmly on the ground. The slab needs no supporting members under it. Care should be taken to ensure that the pit edge is firm and stable before installing the slab. Good practice is to always put a lintel of concrete, bricks or blocks around the top of the pit to receive/hold the slab.

LATRINE DIGGING KIT

STANDARD

CODE: WA032

DESCRIPTION

High quality and robust hand tools for all groundwork's: latrine, pit, trench digging, ground preparation for foundations and road repairs.

PRICE

Ex Works ESTIMATE
620 GBP per kit

TECHNICAL SPECIFICATION

Line Item	Description	Unit	Qty
1	Pointed trenching shovels with handles, round mouth blade	Pce	10
2	Flat trenching spades with handles, square mouth blade	Pce	10
3	Pickaxe heads, chisel and point	Pce	10
4	Pickaxe handles, hardwood	Pce	10
5	500 metre site marking tape, red/white	Roll	1
6	16 litre buckets, galvanised steel	Pce	6
7	Contractors' rakes with handles, 12-tooth head, blade width 280mm	Pce	6
8	Miners' bars, one end chisel, one end point, 3cm diam. x 1.5m	Pce	5
9	Bolster, length 225mm, blade width 75mm	Pce	5
10	Lump hammers, 4lb	Pce	5
11	Measuring tape, length 30m, width 13mm	Pce	1
12	8mm polypropylene rope, 30m	Roll	2

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x wooden crate	1.67 x 0.74 x 0.76	208	0.94

NOTES

- This kit is intended to provide tools required to set up defecation zones/fields/trenches or to start a pit latrine programme. In this scenario, one kit is recommended for the workers/volunteers to serve 5000 beneficiaries.
- Marker tape is used to fence off construction sites. It could also be used to mark out areas for defecation fields, at the start of an emergency sanitation programme.
- Latrine pits should be round and as deep as possible (up to 3m). Round pits are more stable than square or rectangular ones.

SOLID WASTE CLEANING MATERIALS KIT

STANDARD

CODE: WA035

DESCRIPTION

This list contains the basic tools (spades, rakes, picks and wheelbarrows) required for a solid waste clean-up. Used in responses to disasters like earthquakes, floods where rubble and debris needs to be cleared. Also suitable for ground clearance and road surface repairs.

PRICE

Ex Works ESTIMATE
150 GBP per kit

TECHNICAL SPECIFICATION

Line Item	Description	Unit	Qty
1	Rakes, 12 tooth head with steel handle	Pce	4
2	Flat trenching spades, pressed steel blade- size 12"x10" with wooden handle	Pce	4
3	Pickaxe, chisel and point with wooden handle	Pce	1
4	Wheelbarrow, heavy duty 90-150L/120kg capacity	Pce	1

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x carton	1.40 x 0.68 x 0.58	35	0.55

NOTES

- The above kits would be ideal for a total of 10 volunteers involved in general clean up exercise
- 5 kits should be adequate for a population of up to 1000 families
- The kit content should be durable and strong enough for clearing rubble and other heavy-duty jobs. The wheelbarrow should have pneumatic tyres. Where possible, buy rakes, spades, and pickaxes with fixed heads on shafts.

PROTECTIVE ITEMS KIT

STANDARD

CODE: WA036

DESCRIPTION

Protective work wear for environmental sanitation. Sufficient for 50 workers. Used for jobs that involves dust, spraying, generally heavy-duty work and cleaning.

PRICE

Ex Works ESTIMATE
450 GBP per set

TECHNICAL SPECIFICATION

Item	Description	Unit	Qty
1	Gloves, rubber, water proof, heavy duty, super grip, one size	Pair	50
2	Disposable mask, flexible adjustment string, light weight, cone type, made from 100% polyester	Pce	750
3	Wellington boots (different sizes), High grade blend of PVC and nitrile rubber, steel toe caps with 2000 joule rating, mild steel mid sole for penetration resistant, treated surface for easy cleaning	Pair	50

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)	Volume (m^3)
1 x tri-wall carton or wooden crate	1.20 x 1.00 x 0.80	165	0.96

NOTES

- This kit is designed for 50 volunteers/casual workers or for a population of up to 1000 families
- Disposable masks are used to protect against dust, fibres, solid and liquid aerosols. They should be lightweight, comfortable to wear with or without glasses or goggles for a maximum of 4 to 5 hours at a time. (Do not buy surgical masks. Their purpose is to help prevent biological particles from being expelled by the wearer into the environment). Wellington boots should have a protective sole. Hand gloves should be made of material that can withstand handling rubble, stones etc, is water resistant, durable and can give good grip

CHILD TO CHILD KIT (PUPPETS) STANDARD

CODE: WA037

DESCRIPTION

Hand puppets (family set) for hygiene promotion with children.

PRICE

Ex Works ESTIMATE
75 GBP per set

TECHNICAL SPECIFICATION

Specification:

5 black (alternatively in White or Asian) family puppet heads to fit hand set includes: mother, father, brother, sister and baby
washable vinyl heads and colourful clothing
adult puppets 250mm tall

PACKING INFORMATION

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x tri-wall carton	0.32 x 0.23 x 0.09	0.0066	2

NOTES

- Puppets are usually used to catch attention of children, especially under 8 years.
- It is important to find out if the above materials will be culturally acceptable, before ordering them.
- It is also possible to make hand puppets from socks, dolls etc.
- Puppets should be designed with non-toxic water resistant paint and soft materials that would enable users to easily manoeuvre the fingers and hands.

HOUSEHOLD WATER TREATMENT AND HANDWASHING KIT

KIT

CODE: WA038

DESCRIPTION

This basic kit is designed to provide the bare essentials for people to collect and store water, at household level, and to wash their hands. It is designed to contain sufficient consumables (soap and Aquatabs) for a family of 5 people to use during a 1 month period. Distributions of soap and Aquatabs should be repeated as necessary. Soap distribution quantity complies with Sphere standards, which recommend distributing at least 250g of soap per person per month.

This kit can also be easily assembled by logistics in country.

PRICE

Ex Works ESTIMATE
10 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Bucket with lid and tap, 20L	Pce	1
Collapsible Jerry Can, 10L	Pce	1
Aquatabs (67 mg)	Tabs	120
Soap, 125g bars	Pce	10

PACKING INFORMATION

To be confirmed on order.

HYGIENE KIT

KIT

CODE: WA039

DESCRIPTION

This kit is designed to provide materials to support basic levels of hygiene for a family of five. Please note that the consumable items are only designed for one month maximum and will then need to be replaced. Note that this, or a simpler Household Water Storage and Treatment kit (containing Bucket with Lid and tap, Aquatabs, Portable Jerry Can and Soap) could also be assembled in country.

PRICE

Ex Works ESTIMATE
20 GBP per kit

TECHNICAL SPECIFICATION

Description	Unit	Qty
Bath towel, cotton, min 300 GSM, 50x80cm	Pce	2
Bucket with lid and tap, 15-20L (packed in bucket)	Pce	1
Comb, plastic	Pce	2
Mirror, handheld, plastic cased for safety, 10cmx10cm	Pce	1
Razors, disposable, plastic, safety type	Pce	5
EITHER: Sanitary towels, packet of 10	Pkt	2
OR; Towel/cloth, 2m, washable absorbent cloth, dark coloured (as appropriate to culture)	Pkt	2
Safety pins	Pce	10
Shampoo, 500ml bottle	Pce	1
Soap box, plastic, boilable	Pce	1
Soap, hand use, 250g bar (per person/month, Sphere 2004)	Pce	5
Soap, laundry 250g powder or bar (per person/month, Sphere 2004)	Pce	5
Toilet paper, pack of 6 rolls	Pkt	2
Jug, plastic water container, 2L (as appropriate to culture)	Pce	2
Toothbrush, adult size	Pce	2
Toothbrush, child size	Pce	3
Toothpaste, 150g	Pce	2
Washable baby diaper	Pce	12
Antiseptic cream/liquid, bottle of 75ml	Btl	1
Female underwear, pair, plain	Pce	2
Folded length of cloth, 1x2m (as appropriate to culture)	Pce	2

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x wooden crate	0.3	15

GENERAL PROGRAMME SUPPORT

PRODUCT	CODE
BARRIER FENCING	RF013
SHADE NET	RF023
TENT, MULTI-PURPOSE, 27.5m^2	RF002
TENT, MULTI-PURPOSE, 40m^2	RF009
LAMP, SOLAR	RF006

USER GUIDELINES: GENERAL PROGRAMME SUPPORT

The four items in this section can be used to set up areas for use within any sector programmes, particularly in emergency response situations, for example to create a Child-Friendly Space or Distribution Center.

BARRIER FENCING

STANDARD

CODE: RF013

DESCRIPTION

Plastic mesh fencing to rapidly provide boundaries for a range of spaces, including temporary education centres, child friendly spaces, playgrounds or distribution centres.

PRICE

Ex Works ESTIMATE
10 GBP per roll

TECHNICAL SPECIFICATION

Material:	PPC polymer
Dimensions:	1m x 50m roll
Weight:	Approx 10kg (200g per m2)
10 Meshes MD:	588mm
1 Mesh TD:	92mm
Min temperature:	Not brittle at -10˚C
Max temperature:	70˚C
Tensile Strength (MD):	9.8kN/m
Colour:	Orange

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x bundle (12 rolls)	1.6	54

SHADE NET

STANDARD

CODE: RF023

DESCRIPTION

Light shade net of woven plastic, with eyelets, for use when air permeability is more important than water resistance. For shading tents, children's recreational or educational areas and distribution points.

PRICE

Ex Works ESTIMATE
75 USD per roll

TECHNICAL SPECIFICATION

Material:	Polypropylene/ethylene (PP/PE) knitted strips Eyelets: Polyester, 0.5 x 1.5cm
Dimensions:	Roll; 4m x 50m
Weight:	140gsm minimum
Colour:	Black
Tensile strength:	ISO 9073-18
Air permeabillity:	ISO 9073-15

Other Features:

- Row of eyelets every 75cm; material at these points to be doubled for extra strength.
- Anti-UV treated; 250KLY minimum.
- To be installed directly above structures and fixed by the eyelets.
- Must not be mistaken for camouflage netting – other colours may be used if necessary.

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x bundle (12 rolls)	2.75	144

TENT, MULTI-PURPOSE, 27.5m^2

CONTRACT

CODE: RF002

DESCRIPTION

These multi-purpose tents provide rapid and flexible solutions in emergency situations and can be used to create child friendly spaces, temporary schools, clinics or dispensaries, storage or accommodation. They are easy to transport and assemble.

PRICE

Ex Works ESTIMATE
464 USD per tent

TECHNICAL SPECIFICATION

Dimensions:	Length 5.5m, ground width 5m, wall top width 3.54m, central height 2.5m, wall height 1.77m.
Borders:	Lockstitch, 4-5 stitches per inch. Polycotton corespun thread. Plastics to be heat sealed or cut with hot knife.
Waterproofing:	Paraffin emulsion and alumacetate to ISO 811
Rotproofing:	Copper Napthanoate or similar appropriate agent, to min 0.35% of dry weight of proofed canvas.
Poles and couplings:	30mm dia OD, 1.5mm min wall thickness. Zinc coated steel. Sleeves 27mm OD, 2.3mm. Pipes and reinforcements welded, sleeves crimped or point welded in the length.
Rope:	Polyamide (nylon), 10mm dia. Tensile strength 1000daN.
Pegs:	Galvanised steel. Min breaking resistance 500N/mm2 Rod: 8mm dia. Rebar: 12mm OD (or T-bar 20x20mm). T-bar 40x40mm.
Foot plates:	3mm galvanised steel. Claw folded corners 20x20mm. Nuts and bolt zinc coated

	Outer	Lining	Ground sheet/PVC mud wall coating.
Material	50%/50%Polycotton canvas	100% cotton	Polyester 1100dtex, PVC coated both sides.
Fabric Weight	440gsm ISO 3801	200gsm ISO 3801	600gsm ISO 3801
Water penetration resistance (mm)	Force 450; sitting 24h, 15cm	Force 250; sitting 24h, 10cm.	
Resistance to UV and micro-organisms (in percentage of strength loss)	Max 20% ISO 5801	Max 20% ISO 5801	Max 20% ISO 3303-B
Tensile Strength (daN)	Warp 140/30 Weft 120/15	60/10 50/10	200/15 200/15
Tear strength (daN)	Warp 6 Weft 4	1.2 1.2	30 10

Other Features:

- Minimum life span 1 year.
- Packed in a waterproof, rotproof bag with 6 securely stitched carrying handles.
- All seams subject to possible tension are double lock stitched and waterproof.
- Stitching – strong, long-lasting, neat and professional looking seams; orientated to allow rain to run off tent, to prevent retaining water lines and pockets.
- All ropes are knotted to the tent from the factory. All ropes, webbing and toggles are rotproof and UV proof to the same level as the canvas to which they are attached.
- All metal eyelets rustproof and correctly placed and reinforced with a fabric patch. All metal rings rustproof and closed by welding.

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1 x bale	0.47	135

TENT, MULTI-PURPOSE, 40m^2

CONTRACT

CODE: RF009

DESCRIPTION

These multi-purpose tents provide rapid and flexible solutions in emergency situations and can be used to create child friendly spaces, temporary schools, clinics or dispensaries, storage or accommodation. They are easy to transport and assemble.

PRICE

Ex Works ESTIMATE
700 USD per tent

TECHNICAL SPECIFICATION

Dimensions:	Length 7.5m; Ground width 6m; Wall top width 5.5m; Central height 2.7m; Wall height 1.6m.
Borders:	Lockstitch, 4-5 stitches per inch. Polycotton corespun thread. Plastics to be heat sealed or cut with hot knife.
Waterproofing:	Paraffin emulsion and alumacetate, ISO 811
Rotproofing:	Copper napthanoate or similar, to min 0.35% of dry weight of proofed canvas.
Poles and couplings:	Poles: 28mm dia OD galvanised steel. Min 1mm wall thickness. Couplings: 30mm dia OD galvanised steel. Min 1mm wall thickness. Sleeves (to fit in poles) 27mm dia OD min 2.3mm wall thickness; sleeves crimped or point welded in the length.
Rope:	Polyamide (nylon), 10mm dia. Tensile strength 1000daN
Pegs:	Galvanised steel, min breaking resistance 500N/mm2. Rod 8mm dia OD. Rebar 12mm dia OD (or T-bar 20x20mm). T-bar 40x40mm.
Foot plates:	Galvanised steel, min breaking resistance 300N/mm2. 3mm thickness. Corners folded down into 'claws' 20x20mm. Nuts and bolts zinc coated.

	Outer	Lining	Ground sheet/PVC mud wall coating.
Material	Blended cotton 50% / polyester 50%.	Cotton 50%	Polyester 1100 dtex. PVC coated both sides
Fabric Weight	440 gsm	200gsm	600gsm
Water penetration resistance (mm)	Force 450 Sitting 24h, 15cm	Force 250 Sitting 24h, 10cm	
Tensile Strength (daN)	Warp: 140/30 Weft: 120/15	60/10 50/10	200/15 200/15
Tear strength (daN)	Warp: 6 Weft: 4	1.2 1.2	30 10

Resistance to UV and micro-organisms (in percentage of strength loss)	Max 20%	Max 20%	Max 20%

Other Features:

- Minimum life span 1 year.
- Packed in a waterproof, rotproof bag with 6 securely stitched carrying handles.
- All seams subject to possible tension are double lock stitched and waterproof.
- Stitching – strong, long-lasting, neat and professional looking seams; orientated to allow rain to run off tent, to prevent retaining water lines and pockets.
- All ropes are knotted to the tent from the factory. All ropes, webbing and toggles are rotproof and UV proof to the same level as the canvas to which they are attached.
- All metal eyelets rustproof and correctly placed and reinforced with a fabric patch. All metal rings rustproof and closed by welding.

PACKING INFORMATION

Note, three bales make one tent.

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x bale A	1.43x0.5x0.5	42	71
1 x bale B	0.6x0.47x0.37	1.2	37
1 x bale C	3.1x.15x.15	0.06	86

LAMP, SOLAR

STANDARD

CODE: RF006

DESCRIPTION

The Glowstar solar lantern provides up to 6 hours of light equivalent to a 60W tungsten light. It has a durable glass filled polypropylene high impact, plastic construction. It can be charged from the sun, an AC charger or a car charger, with multiple LED indicators to show battery life remaining.

PRICE

Ex Works ESTIMATE
75 GBP per lamp

TECHNICAL SPECIFICATION

Lamp:	7Watt
Battery:	7.2Ahr
Operating Temperature:	-10 °C to + 45 °C
Running Time From Full Charge (approx):	8Hrs
Aux Output:	0.5Amps @ 12V
Auto Function:	Yes
Dims:	Height : 420mm x Height : 135mm
Max. Charge Current:	1.2A (20W)
Weight:	3.3Kg

FEATURES

- No glass covers to break. Polycarbonate, UV stabilised cover to protect lamp
- Rain proof (when vertical) , dust proof, insect proof, can stand in 160mm of water
- 10,000 hours lamp life
- True zero power consumption when turned off
- 10 minute shutdown warning
- Temperature compensated charging method for full battery capacity and longer battery life
- Can be charged from solar, mains or vehicle
- Protection against deep discharge (inc. aux. output). Disconnects at 50% depth of discharge
- Long battery life. Battery capacity reduced to approx. 60% after 450 cycles, if fully used down to disconnection level every time. Longer life if not fully used every time.

PACKING INFORMATION

Packaging	Volume (m^3)	Weight (kg)
1x box	0.02	3.3

VEHICLES AND ACCESSORIES

PRODUCT	CODE
TOYOTA LAND CRUISERS	
TOYOTA LAND CRUISER HARDTOP, 5 DOOR 10 SEATER	VE006
TOYOTA LAND CRUISER HARDTOP, 3 DOOR	VE004 / VE007 / VE008
TOYOTA LAND CRUISER PICK-UP, 3 SEATER, 2 DOOR	VE005
TOYOTA SPARE PARTS & MAINTENANCE PACKAGES	
APPROVED OPTIONAL ACCESSORIES	Various
SPARE PARTS SERVICE PACKAGE	VE019
SPARE PARTS MAINTENANCE PACKAGE	VE020
MOTORCYCLE, HONDA XL 125 SL	VE013

USER GUIDELINES: VEHICLES AND ACCESSORIES

Please consider the relatively high costs of running a large 4-wheel drive vehicle, especially where a small, lighter vehicle will be satisfactory, such as urban driving in secure areas. However it is also important to consider security. In some situations (such as unrest and evacuations), the protection, range and carrying capacity of a 4 wheel drive will be essential.

The following features are NOT recommended for the Toyata Land Cruisers:

- Bull bars due to increased risk of injury to 3rd party and passengers in collision.
- Electric winches due to cost, reliability and safety
- All Freewheel hubs; due to risk of mechanical damage and reduced utility of 4WD

When selecting vehicles, please consider whether:

- Left hand drive (LHD) or right hand drive (RHD) is required
- Any of the standard additional extras are required
- Any other requirements of the vehicle (for example, type of tyres)

For vehicle parts and accessories, when ordering please advise:

- Vehicle chassis / engine number
- Any information if the spares or accessories pack needs to be modified for your specific needs.

More detailed information on the Toyota vehicles and accessories can be found on the website at http://ecom.toyota-gib.com. The website also includes information about tyre types and 4 wheel driving.

TOYOTA LAND CRUISER HARDTOP, 5 DOOR 10 SEATER. MODEL: HZJ76

CONTRACT

CODE: VE006

DESCRIPTION

4x4 off-road vehicle capable of seating 10 people.

PRICE

Ex Works ESTIMATE
3,239,200 JPY per vehicle

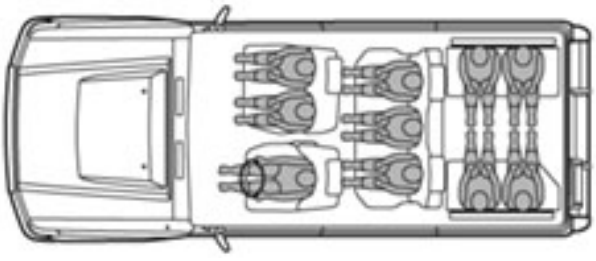
TECHNICAL SPECIFICATION

Engine Model:	1HZ – 4164cc, Diesel, 6 Cylinders, BHP: 129, KW: 96. Heavy Duty Cooling (Water), Electric 12 Volts
Transmission:	5 Speed Dual Range Manual Gear Box LHD / RHD
Tyres:	Steel Radial On/Off Road Tubed Tyres: 7.50R16-8 5.50F
Wheels:	Steel rim
Suspension:	Heavy Duty. Front: Coil, Rear: leaf
Seats:	Vinyl Material (10 Seater. Front: 1+2 Bench, Rear: 3 forward + 2x2 Inward Bench)
Wheelbase:	Wheelbase: 2730mm Ground clearance: 230mm
Brakes:	Front: Disk. Rear: Drum
Dimensions:	4720 x 1770 x 1955mm
Air Intake:	Raised Air Intake System (Snorkel)
Service:	Pre-Delivery Inspection, Full Toyota Warranty (Time Period is Country Specific), 1000km Service Check and Post-Delivery Technical Support
Support:	Pre-delivery Inspection, Full.
Optional Accessories:	See "Approved Optional Accessories"

Other Features:

- 2nd in-line fuel filter
- Lockable spare wheel mounted on back door
- Front Freewheel hubs permanently locked
- Transit Safety Box
- Rubber Floor Mats
- Safety Pack, including : Warning Triangle, Fire Extinguisher, First Aid Kit, Fluorescent vest and Tow Rope
- Air Conditioning
- Power Steering
- High Altitude Compensator
- Additional 166L fuel tank
- Side Steps
- Seat belts for all seats

LAYOUT



TOYOTA LAND CRUISER HARDTOP, 3 DOOR. MODEL: HZJ78

CONTRACT

CODE: VE004 (6 seater), VE0007 (10 seater), VE008 (13 seater)

DESCRIPTION

3 door 4x4 off-road vehicle that comes in one of three seating configurations.

PRICE

Ex Works ESTIMATE
6 seater: 3,065,200 JPY per vehicle
10 seater: 3,132,100 JPY per vehicle
13 seater: 3,049,800 JPY per vehicle

TECHNICAL SPECIFICATION

Engine Model:	1HZ – 4164cc, Diesel, 6 Cylinders, BHP: 129, KW: 96. Heavy Duty Cooling (Water), Electric 12 Volts
Transmission:	5 Speed Dual Range Manual Gear Box LHD / RHD
Tyres:	Steel Radial On/Off Road Tubed Tyres: 7.50R16-8 5.50F
Wheels:	Steel rim
Suspension:	Heavy Duty. Front: Coil, Rear: leaf
Seats:	Vinyl Material
Wheelbase:	Wheelbase: 2730mm Ground clearance: 230mm
Brakes:	Front: Disk. Rear: Drum
Dimensions:	4720 x 1770 x 1955mm
Air Intake:	Raised Air Intake System (Snorkel)
Service:	Pre-Delivery Inspection, Full Toyota Warranty (Time Period is Country Specific), 1000km Service Check and Post-Delivery Technical Support
Support:	Pre-delivery Inspection, Full.
Optional Accessories:	See "Approved Optional Accessories"

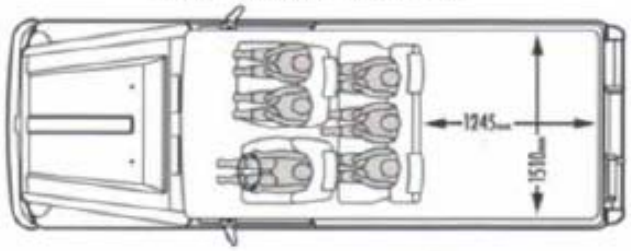
Other Features:

- 2nd in-line fuel filter
- Lockable spare wheel mounted on back door
- Front Freewheel hubs permanently locked
- Transit Safety Box
- Rubber Floor Mats
- Safety Pack, including : Warning Triangle, Fire Extinguisher, First Aid Kit, Fluorescent vest and Tow Rope
- Air Conditioning
- Power Steering
- High Altitude Compensator
- Additional 90L fuel tank
- Side Steps
- Seat belts for all seats

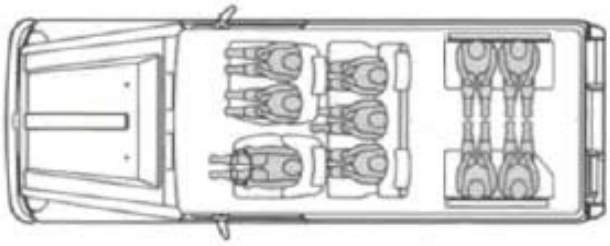
LAYOUT

Seating layouts

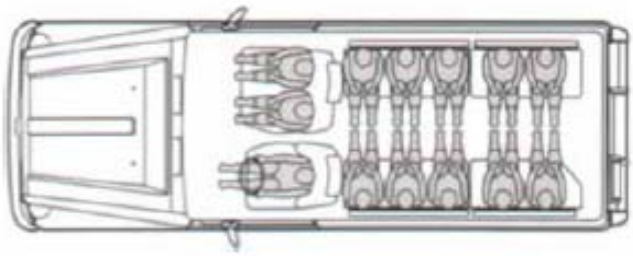
Toyota Land Cruiser Hardtop
6 seater – 4x4 LHD
Model: HZJ78L-RJMRS#



Toyota Land Cruiser Hardtop
10 seater – 4x4 LHD
Model: HZJ78L-RJMRS#



Toyota Land Cruiser Hardtop
13 seater – 4x4 LHD
Model: HZJ78L-RJMRS



TOYOTA LAND CRUISER PICK-UP, 3 SEATER, 2 DOOR. MODEL: HZJ79

CONTRACT

CODE: VE005

DESCRIPTION

4x4 Toyota Land Cruiser Pick-Up, 3 seater

PRICE

Ex Works ESTIMATE
2,916,500 JPY per vehicle

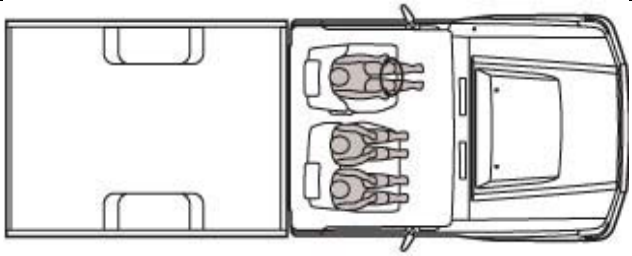
TECHNICAL SPECIFICATION

Engine Model:	1HZ – 4164cc, Diesel, 6 Cylinders, BHP: 129, KW: 96. Heavy Duty Cooling (Water), Electric 12 Volts
Transmission:	5 Speed Dual Range Manual Gear Box LHD / RHD
Tyres:	Steel Radial On/Off Road Tubed Tyres: 7.50R16-8 5.50F
Wheels:	Steel rim
Suspension:	Heavy Duty. Front: Coil, Rear: leaf
Seats:	Vinyl Material
Wheelbase:	Wheelbase: 2730mm Ground clearance: 230mm
Brakes:	Front: Disk. Rear: Drum
Dimensions:	4720 x 1770 x 1955mm
Air Intake:	Raised Air Intake System (Snorkel)
Service:	Pre-Delivery Inspection, Full Toyota Warranty (Time Period is Country Specific), 1000km Service Check and Post-Delivery Technical Support
Support:	Pre-delivery Inspection, Full.
Optional Accessories:	See "Approved Optional Accessories"

Other Features:

- 2nd in-line fuel filter
- Lockable spare wheel mounted on back door
- Front Freewheel hubs permanently locked
- Transit Safety Box
- Rubber Floor Mats
- Safety Pack, including : Warning Triangle, Fire Extinguisher, First Aid Kit, Fluorescent vest and Tow Rope
- Air Conditioning
- Power Steering
- High Altitude Compensator
- Additional 90L fuel tank
- Side Steps
- Seat belts for all seats

LAYOUT



APPROVED OPTIONAL ACCESSORIES

CONTRACT

CODE: various

DESCRIPTION

These accessories can be ordered with a car or individually. Please specifiy the part number relating to the Toyota that the accessory will be used with (see Toyota manual for part numbers)

Line item	Description	Ex Works ESTIMATE, JPY
1	Full Size Roof rack (standard Toyota Spec with 2 x spare wheel brackets)	42,900
2	Half Size Roof rack (standard Toyota Spec with 2 x spare wheel brackets)	39,600
3	2nd spare wheel (with mounting for roof rack or back mounting for Pick-Up)	47,600 (HZJ76 & 78) 46,600 (HZJ79)
4	Codan HF NGT-VR radio (with mounting bracket without bull bar)	477,700
5	Motorola VHF GM360 radio	81,500
6	Hand-held Tirfor winch	101,600
7	French owners manual	1,300
8	Replacement Set (5) of Michelin XZL mud tyres (for extreme off-road conditions only)	70,000
9	Hi-lift jack (including Jacking Points. (Note a replacement rear bumper bar is required for rear jacking point))	82,200 (HZJ78) 121,500 (HZJ76) 114,200 (HZJ79)
10	Pair of Sand ladders	32,000
11	Set (4) of Snow chains	40,000

SPARE PARTS SERVICE PACKAGE

CONTRACT

CODE: VE019

DESCRIPTION

The spare parts service package contains parts which are appropriate for normal servicing requirements of a vehicle during the first two years or 50,000kms of ownership. A discount of 15% is applicable on all purchases of Spare Parts Service Packages.

PRICE

Ex Works ESTIMATE
148,990 JPY per Spare Parts Service Package

Line Item	Description	Ex Works ESTIMATE, JPY per unit piece	Qty per service package
1	Filter oil	2,094	10
2	Oil sump gasket	76.00	10
3	Filter fuel	2,223	10
4	Secondary filter fuel	2,812	10
5	Filter air	4,374	5
6	Pad kit, disc brake	8,420	1
7	Shoe kit, rear brake	12,060	1
8	Belt V fan & alternator	2,982	1
9	Belt V cooler compressor	3,136	1
10	Absorber shock, front	6,160	2
11	Absorber shock, rear	6,160	2
12	Hose, radiator, no. 1 top	1,537	1
13	Hose, radiator, no. 2 bottom	1,644	1
14	Blade, front wiper, RHD	1,574	2
15	Blade, front wiper, LHD	1,719	2
16	Support exhaust pipe	725	1
17	Bulb / Fuse Kit H4A	1,473	1
18	Oil 15w 40 petrol / diesel 5L	2,509	5
19	Windscreen Washer Fluid – 10c sachet	151	5
20	Brake Fl. DOT 4 750ml	888	2
21	Coolant 5L red concentrate	3,083	1

SPARE PARTS MAINTENANCE PACKAGE

CONTRACT

CODE: VE020

DESCRIPTION

The spare parts maintenance package contains parts which may be needed for maintenance requirements during the first two years or 50,000kms of ownership. In addition it contains a limited quantity of emergency parts. It would not be expected to use all of these parts on one car in the first 50,000km.A discount of 15% is applicable on all purchases of Spare Parts Maintenance Packages.

PRICE

Ex Works ESTIMATE
125,056 JPY per 1 Spare Parts Maintenance Package

Line Item	Description	Ex Works ESTIMATE, JPY per unit piece	Qty per maintenance package
1	Thermostat assy	2,232	1
2	Gasket thermostat	333	1
3	Plug assy, glow	2,736	6
4	Nozzle assy	7,507	6
5	Pump assy, water	13,966	1
6	Wheel assy, disc	15,840	1
7	Gasket, cylinder	1,439	1
8	Damper assy	22,929	1
9	Nut, wheel	526	10
10	Cylinder kit rear wheel	3,248	1
11	Cylinder kit clutch master	3,290	1
12	Cylinder kit clutch release	2,226	1
13	Hub seal	2,078	2
14	Seal, type S oil	484	2
15	Gasket kit, engine valve grind	9,780	1

MOTORCYCLE, HONDA XL 125 SL

STANDARD

CODE: VE013

DESCRIPTION

Light-medium motorcycle with off-road capabilities. Single seater. Kick start. Supplied in partially disassembled state – needs a mechanic to assemble. Mandatory accessory – full face helmet.

PRICE

Ex Works, ESTIMATE
1,800 GBP per vehicle

TECHNICAL SPECIFICATION

Engine Model:	4 stroke 124cc displacement.
Power:	9.7kw at 10,200rpm.
Fuel Type:	Petrol, regular
Fuel tank:	7L Consumption 1.82L/100km.
Suspension:	Front: leading axle fork, 200mm travel. Rear: swing arm, dual dampers, 165mm travel.
Tyres:	Front: 2.75-21-4 PR, Rear: 410-18-4PR, both tubed.
Brakes:	Drum front and rear.
Dimensions:	2.08 x 1.11 x 0.84m
Ignition:	Capacitor discharge, 6V 4ah battery.
Transmission:	6 gears. Partial drive chain covering.

Other Features:

- Basic Tool Kit
- Brake Light
- Front Headlight
- Horn
- Wing Mirror both sides
- Sump Guard
- Owner's Manuel in English/French
- Helmet Lock
- Front and Rear Indicators
- Tripmeter & Tachometer
- Tail Light
- Engine Protector

OPTIONAL EXTRAS

- Spare Parts Catalogue
- Workshop Repair Manual in English/French/Spanish
- Spares Pack B (2 years spares, workshop manual & spare parts catalogue
- Dealer Options : Rear carry frame and side panniers, leather gloves, puncture repair kit inc pump, spares pack with initial running spares.

Full Face Helmet. We recommend the purchase of full face helmets that are compliant to the United Nations Economic Commission for Europe regulation No. 22. The helmet should clearly bear a visible label inscribed " For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced "

PACKING INFORMATION

Standard packing is for 2 units. If only one unit is required, special packing will need to be detailed on the order.

Packaging	Dimensions (m)	Volume (m^3)	Weight (kg)
1 x crate	1.7 x 0.94 x 0.85	1.34	275

COMMUNICATIONS EQUIPMENT

PRODUCT	CODE
VHF HANDHELD PORTABLE RADIO, MOTOROLA GP340	CM008
VHF BASE STATION, MOTOROLA GM 360	CM006
VHF MOBILE STATION, MOTOROLA GM 360	CM007
MOBILE RADIO PACKAGE, CODAN NGT VR	CM003
BASE PACKAGE, CODAN NGT VR	CM002
SATELLITE PHONE, HANDHELD, IRIDIUM MOTOROLA 955	CM028
HANDHELD SATELLITE PHONE, THURAYA XT	CM046
SINGLE REPEATER, THURAYA	CM047
SATELLITE PHONE INMARSAT PRO HANDSET	CM048
BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 300	CM013
BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 500	CM045
BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 700	CM043

USER GUIDELINES: COMMUNICATIONS EQUIPMENT

Before ordering communications equipment, check the power availability at your base and the coverage in your area. Ensure that suitable chargers and/or batteries are ordered along with communications equipment where necessary. When using communications equipment, ensure that you have sufficient power equipement, including batteries and chargers, to use the equipment. When using radio handsets, esnure that additional batteries are kept charged. It is also advisable to check whether any in-country licsensing costs will be relevant for your usage.

Satellite Phones

- When ordering satellite phones, ensure that the region for usage is covered by the provider (see the coverage maps provided). In particular, check Thuraya coverage throughout Asia.
- Use satellite phones as a last resort for voice communications due to high cost per minute.

Base Stations

- Identify the type of fuse used and ensure that spare fuses are available in case of malfuction. Identify the type of fuse used and make sure you have spare ones in case of malfunction (when connecting to a battery, make sure the positive and negative cables are connected correctly, and make sure the base station is properly grounded).

BGAN

- Charges of data are per MB and can be expensive. Avoid using high bandwidth intensive applications especially videos. Ideally, it is best to use for email and relevant web sites.
- The Thrane and Thrane 700 model is mainly used for video streaming. Unless you are going to do so, it is best to use the 300 and 500 models.

VHF HANDHELD PORTABLE RADIO, MOTOROLA GP340

CONTRACT

CODE: CM008

DESCRIPTION

The GP340 is a popular VHF radio due to its ease of use and reliability. It has 16 channels and 5 watts of power. Suitable for users that will be operating in demanding locations. Ensure that a charger (either the Motorola 230V Single Charger or Motorola 6-slot Multi-Charger) is ordered unless you already have sufficient chargers.

PRICE

Ex Works ESTIMATE
260.00 GPB per package

TECHNICAL SPECIFICATION

Channels:	16
Power:	1-5 Watts with adjustable power levels
Frequencies:	VHF 136-174Mhz
Complete With:	Handset User Guide Belt Clip VHF Antenna NiMH High Capacity Battery

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	24 x 20 x 8	1

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE GBP
Additional NiMH Battery	27.50
Motorola 230V Single Charger	32.00
Motorola 6-slot Multi-Charger	295.00
Car kit for GP340	60.00

VHF BASE STATION, MOTOROLA GM 360

CONTRACT

CODE: CM006

DESCRIPTION

The GM360 base station provides 255 channels. It is robust and easy to install. Ensure that you have sufficient charging and power capacity accessible.

PRICE

Ex Works ESTIMATE
505.00 GBP per package

TECHNICAL SPECIFICATION

Channels:	255
Power:	1-25 Watts with adjustable power levels
Frequencies:	VHF 136-174Mhz
Complete With:	Base Unit Base Antenna & Cables User Guide Power Supply Unit (PSU)

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box 1	51 x 34 x 28	12
1 x box 2	80 x 12 x 12	3

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE GBP
ADM T310 AC-DC PSU	115.00
ADBBB battery (for ADM T310 PSU)	65.00
Solar power units	450.00
Lightening surge protection kit (inc. pig-tail, arrestor, earth cable, copper rod and clamp)	80.00
Gel Battery	815.00

VHF MOBILE STATION, MOTOROLA GM 360

CONTRACT

CODE: CM007

DESCRIPTION

The GM360 is versatile and a highly specified vehicle radio providing 255 channels. It is very robust and easy to install.

PRICE

Ex Works ESTIMATE
285.00 GBP per package

TECHNICAL SPECIFICATION

Channels:	255
Power:	1-25 Watts with adjustable power levels
Frequencies:	VHF 136-174Mhz
Complete With:	Mobile Unit Fixed mounting mobile antenna and cables User Guide

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box 1	51 x 34 x 28	4
1 x box 2	80 x 12 x 12	1

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE GBP
Magnetic car antenna for mobile station	45.00

MOBILE HF RADIO PACKAGE, CODAN NGT VR

CONTRACT

CODE: CM003

DESCRIPTION

The NGT VR provides high quality HF voice that can be used for both base and mobile applications. Features include Easi-talk (speech processing facility resulting in clearer voice calls) and SelCall facility.

PRICE

Ex Works ESTIMATE
3765.00 AUD per package

TECHNICAL SPECIFICATION

Channels:	20
Power:	125 Watts (PEP), 12V.DC,
Frequencies:	HF/USB/LSB/AM
Other notes:	A range of special functions including voice encryption, emergency calls and remote operation.
Complete with:	2011 RF unit Handset, loudspeaker with cradle 9350 auto tuning whip antennae & cables Vehicle installation hardware. User Guide

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box 1	51 x 34 x 28	8.5
1 x box 2	170 x 20 x 18	8.0

HF BASE PACKAGE, CODAN NGT VR

CONTRACT

CODE: CM002

DESCRIPTION

The NGT VR provides high quality HF voice that can be used for both base and mobile applications. It is easy to use and robust. Features include Easi-talk, secure voice, CALM frequency management options and SelCall facility.

PRICE

Ex Works ESTIMATE
3420.00 AUD per package

TECHNICAL SPECIFICATION

Channels:	20
Power:	125 Watts (PEP), 12V.DC, USB/LSB/AM
Frequencies:	HF/USB/LSB/AM
Other notes:	A range of special functions including voice encryption, emergency calls and remote operation.
Complete with:	2011 RF Unit, Handset, loud speaker with cable, Handset mounting cradle, Junction box, Multi-wire dipole antenna, Lightening surge protection kit, 3020 transceiver supply, Installation hardware and cables

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box 1	51 x 34 x 28	8
1 x box 2	40 x 30 x 18	4
1 x box 3	146 x 20 x 18	6

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE AUD
Gel Batteries (12V 100 AH)	650.00
30 metre coaxial cable (RG213)	120.00
Solar powered units	1375.00
DC power cable	35.00
Programming cable and software	45.00
Float cable (C702)	110.00
Lightening surge protection kit (inc. pig-tail, arrestor, earth cable, copper rod and clamp)	154.00
3020 transceiver supply (100-240V AC)	595.00

SATELLITE PHONE, HANDHELD, IRIDIUM MOTOROLA 9555

CONTRACT

CODE: CM028

DESCRIPTION

The Motorola 9555 satellite telephone is comprehensively equipped, rugged and easy to use. No coverage map required - Iridium covers everywhere except North Korea.

PRICE

Ex Works ESTIMATE
1280 USD per package

TECHNICAL SPECIFICATION

Languages	21		
Battery	Talk time up to 3.1 hrs Standby time up to 30 hrs		
Other features:	Water, shock & dust resistant for rugged environments		
Complete with:	Handset	Leather Case	Ear Piece
	Battery	Antenna Adaptor	User Manual
	Mains Power Charger	Auxiliary Antenna	International Plug Kit
	Car Power Charger		

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	40 x 30 x 15	2

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE USD
Spare Battery	75.00
Mobile Fixed Mount Antenna	95.00
Beam satdock	985.00
Portable auxiliary antenna	90.00
Hands free headset	15.00

AIRTIME CALL CHARGES

Item	Ex Works ESTIMATE USD
SIM Card Activation fee	0.00
Monthly subscription	32.00
▪ To another Iridium	0.47/min
▪ To terrestrial networks	0.82/min
▪ To other satellite networks	7.37/min
▪ SMS	0.45

SATELLITE PHONE , HANDHELD, THURAYA XT

CONTRACT

CODE: CM046

DESCRIPTION

Thuraya XT is a robust and easy to use satellite phone.
It is small (128 x 53 x 26.5 mm) and light (weighing 193g) making it convenient in a wide variety of environments. The product also offers GPS tracking whilst in Thuraya's coverage zones.
Coverage: See map, next page.

PRICE

Ex Works ESTIMATE
950.00 USD per package

TECHNICAL SPECIFICATION

Battery:
Talk time up to 6 hrs
Standby time up to 80 hrs

Other features:
Thuraya XT offers a wide range of services including: A high-resolution coloured screen, voice, data, short messaging and enhanced location determination GPS services and Polyphonic ring tones.

Complete With:
Handset
Battery
USB Data Cable
Travel Charger
User Manual
Quick Start Guide

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	25 x 20 x 15	2

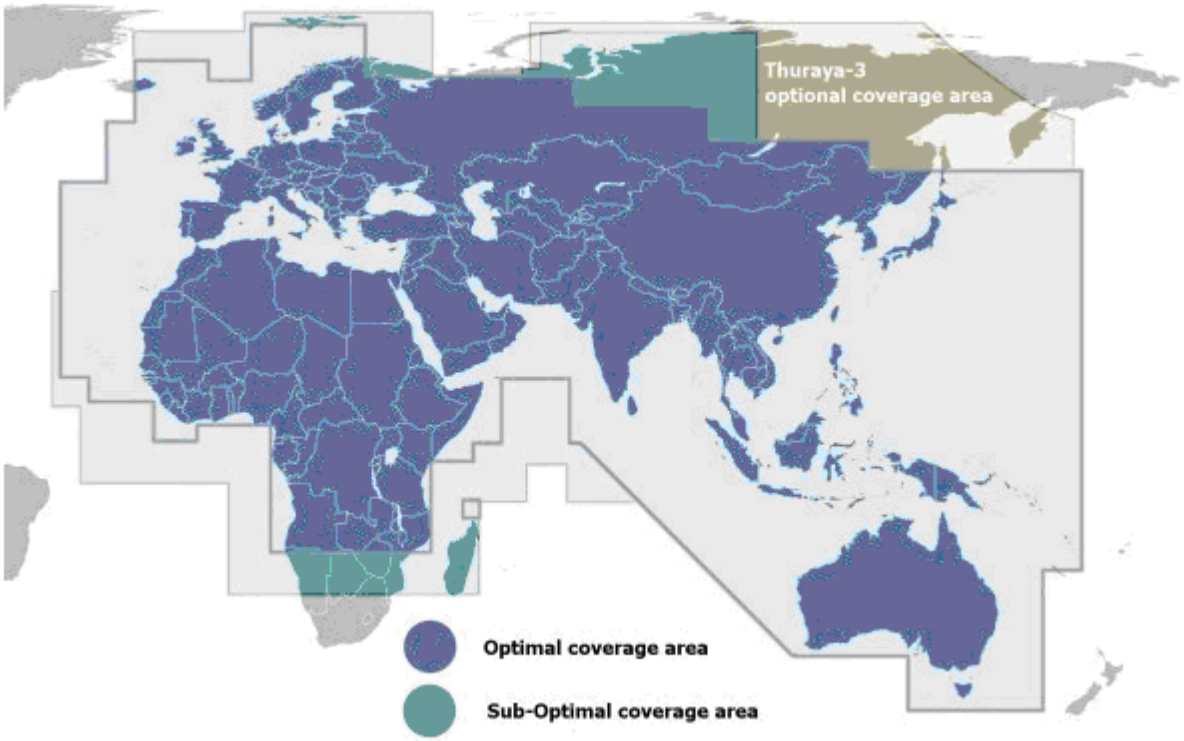
OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE USD
Spare Battery	48.00
Car Charger	37.00

AIRTIME CALL CHARGES

Item	Ex Works ESTIMATE USD
SIM Card Activation fee	20.00
Monthly subscription	18.00
Monthly subscription fax/data	6.00
▪ Band 1 Thuraya to terrestrial networks	1.24/min
▪ Band 2 Thuraya to rarely called destinations	4.39/min
▪ Band 3 Thuraya to other satellite networks	7.10/min
▪ Thuraya to Thuraya	0.44/min
▪ SMS	0.44

COVERAGE MAP



SINGLE REPEATER, THURAYA

CONTRACT

CODE: CM047

DESCRIPTION

The Thuraya Single Repeater is a compact, cost effective solution designed to extend satellite communication. For single user in small environments.

PRICE

Ex Works ESTIMATE
395.00 USD per package

TECHNICAL SPECIFICATION

Indoor coverage area up to 100 sq.meters

Complete with:
Indoor and outdoor unit
Power supply
Manual
12m RF cable

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	24 x 20 x 8	1

SATELLITE PHONE, INMARSAT PRO HANDSET

CONTRACT

CODE: CM048

DESCRIPTION

The Inmarsat Pro Handset satellite phone is comprehensively equipped and easy to use. It covers all areas other than the polar regions and North Korea.

PRICE

Ex Works ESTIMATE
535.00 USD per package

TECHNICAL SPECIFICATION

Battery: Talk time up to 8 hrs
Standby time up to 100 hrs

Other features: Micro USB, Audio socket, Antenna port and Bluetooth 2.0. Can send free sms to the phone from the Inmarsat website (160 characters)

Complete with:

Handset	PC Charger	User manual
Battery	Micro USB cable	
Mains Power Charger	International plug kit	
Car Power Charger	Ear piece	

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	25 x 20 x 15	2

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE USD
Spare Battery	20.00
Carry Case	16.00

AIRTIME CALL CHARGES

Item	Ex Works ESTIMATE USD
Activation	0.00
Monthly subscription	8.40
▪ To Landline	0.70
▪ To Mobile	0.84
▪ To BGAN	0.70
▪ Voicemail	0.70
▪ To Iridium	7.70
▪ To Globalstar	5.60
▪ To Thuraya	3.50
▪ SMS	0.35

BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 300

CONTRACT

CODE: CM013

DESCRIPTION

The Explorer 300 is small and light with a durable casing. It provides data speeds up to 384 kbps. The Explorer 300 is the lightest of the series, with a weight of 1.4 kg and a magnesium casing to ensure maximum durability and reliability. It is fully IP 54 compliant.

PRICE

Ex Works ESTIMATE
1730.00 EUR package

TECHNICAL SPECIFICATION

Size:	16.8 x 21.7 x 5.2cm
Weight:	1.4kg (3.1 lbs)
Temperatures:	Operating: -25 to +55 °C; Storage: -40 to +80 °C
Features:	Simultaneous voice and data communications over BGAN High-speed data transfer up to 384 kbps, support for streaming IP at 32, 64 kbps Standard LAN, Bluetooth and phone interfaces Easy system setup and operation Lightweight, splash and dust proof design Robust, reliable and durable design
Interfaces:	Bluetooth (version 1.2), LAN and phone interfaces
Power Supply:	AC/DC -240VAC, 47-63Hz, 50W
Output:	15VDC
Coverage:	Global
Voice:	Via RJ11 or Bluetooth handset
Battery & Recharge Times:	Lithium ion (rechargeable) < 3h
Complete With:	AC/DC Power Supply; Cables; User Manual; Spare Battery; Handset

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	51 x 34 x 28	5

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE EUR
Basic Handset	30.00
Additional Battery	125.00
12V Car Charger	41.00

BGAN PORTABLE MODEMTHRANE &THRANE EXPLORER 500

CONTRACT

CODE: CM045

DESCRIPTION

The Explorer 500 combines performance with portability, providing remote, high-speed network access. It is also suitable for small teams that need to set up a temporary office.

PRICE

Ex Works ESTIMATE
2200.00 EUR per package

TECHNICAL SPECIFICATION

Size:	21.7x 21.7 x 5.2cm
Weight:	1.5kg (3.3 lbs)
Temperatures:	Operating: -25 to +55 °C; Storage: -40 to +80 °C
Features:	Simultaneous voice and data communications over BGAN High-speed data transfer up to 464/448 kbps Support for streaming IP at 32, 64, 128 kbps Standard LAN, Bluetooth, Ethernet interfaces Easy system setup and operation Lightweight, splash and dust proof design Robust, reliable and durable design
Interfaces:	Bluetooth (version 1.2), LAN and Ethernet interfaces
Power Supply:	AC/DC -240VAC, 47-63Hz, 50W
Output:	15VDC
Coverage:	Global
Battery & Recharge Times:	Lithium ion (rechargeable) < 3h
Complete With:	AC/DC Power Supply; Cables; User Manual; Spare Battery; Handset
ISDN:	1X 64 kbps via USB only
Voice:	Via RJ11 or Bluetooth handset; 3.1 khz audio

PACKING INFORMATION

Packaging	Dimensions (m)	Weight (kg)
1 x box	51 x 34 x 28	5

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE EUR
Basic Handset	30.00
Additional Battery	125.00
12V Car Charger	41.00

BGAN PORTABLE MODEM THRANE &THRANE EXPLORER 700

CONTRACT

CODE: CM043

DESCRIPTION

The Explorer 700 is faster than the 300 and 500 but slightly larger and heavier. It also has wireless LAN (WiFi) capabilities and a fully detachable antenna built in (make sure it is not open for others to use without your knowledge).

PRICE

Ex Works ESTIMATE
3495.00 EUR per package

TECHNICAL SPECIFICATION

Size:	21.7x 21.7 x 5.2cm
Weight:	1.5kg (3.3 lbs)
Temperatures:	Operating: -25 to +55 °C; Storage: -40 to +80 °C
Features:	Simultaneous voice and data communications over BGAN High-speed data transfer up to 464/448 kbps Support for streaming IP at 32, 64, 128 kbps Standard LAN, Bluetooth, Ethernet interfaces Easy system setup and operation, Lightweight, splash and dust proof design, Robust, reliable and durable design
Interfaces:	Bluetooth (version 1.2), LAN and Ethernet interfaces
Power Supply:	AC/DC -240VAC, 47-63Hz, 50W
Output:	15VDC
Coverage:	Global
Battery & Recharge Times:	Lithium ion (rechargeable) < 3h
Complete With:	AC/DC Power Supply; Cables; User Manual; Spare Battery; Handset
ISDN:	1X 64 kbps via USB only
Voice:	Via RJ11 or Bluetooth handset; 3.1 khz audio

PACKING INFORMATION

Packaging	Dimensions (cm)	Weight (kg)
1 x box	51 x 34 x 28	5

OPTIONAL ACCESSORIES

Item	Ex Works ESTIMATE EUR
Basic Handset	30.00
Additional Battery	175.00
12V Car Charger	41.00

NETWORK AND SUBSCRIPTION CHARGES FOR ALL BGANS (EXPLORER 300, EXPLORER 500, EXPLORER 700)

Item	Ex Works ESTIMATE USD
Activation	30.00
Monthly subscription	28.75
IP per MB	5.05
▪ To Landline	0.63
▪ To Mobile	0.82
▪ BGAN to BGAN	0.63
▪ BGAN to GSPS	0.63
▪ BGAN to SPS	1.26
▪ SMS	0.32

ENERGY

PRODUCT	CODE
GENERATORS	Not Available

USER GUIDELINES: GENERATORS

For selection of the appropriate size of generator for field use take into consideration some of the tips that you will find in this category – in particular, make sure the correct power requirements are known to ensure correct generator size is purchased. For more details on specifying and purchasing generators, refer to "Engineering in Emergencies" (ISBN-10: 1853395218).

Please consider:

1. Fuel locally available – type and ease of availability
2. Local power supply – e.g 110/230V / 50/60Hz
3. Mobility requirements of generator – will it need to be transported frequently?
4. Expected usage of generator (e.g. no. of hours per day in use), and intended usage period.
5. Requirements of appliances and circuitry – e.g. single power / three phase power (most generators can be fitted with either kind of output, ex-works)
6. Noise sensitivity (noise reduction canopies are available but are extra cost).
7. Generator location – an exhaust outlet to the open air is required if kept inside; generator mustbe kept on level ground that is able to support its weight.

Notes

- Generator size should be chosen depending on the output required. For example, 800VA for small usage (e.g. mobile communications, lighting or low power devices). This is a small, portable generator. 3-6kVA is recommended for medium usage (e.g. field office equipment).
- All the generators in this catalogue are short-term solutions.
- If some equipment runs on 3-phase power, the generator output must be in 3-phase even if the rest of the equipment is single phase, however this does limit the power load of each single phase (of the three) to 1/3 of the total power.
- Use a recognised brand to guarantee quality, and a supplier officially recognised by the manufacturer. Make sure that original spare parts will be readily available in country or in Europe, and if possible get a service agreement with the supplier. Make sure you have a stockpile of the most perishable parts (e.g. filters, joints) according to the services cycle.
- Make sure the generator has a differential breaker and an emergency stop button.
- Fixed generators must be mounted on a rubber anti-skid/ vibration mat and preferably bolted to the floor.
- In general, generators should be run between 30% and 80% of their power output. Below or above for any length of time results in loss of efficiency and premature wear on parts.
- Make sure that you consider the protection of electrical installations. Circuit protection, whereby people and equipment are protected from the adverse effects of electrical current (mains protector units, voltage regulators).
- Ensure that the generators and all other appliances that need it (e.g. fridges, radios etc) are grounded.
- Most generators are designed to work below 1000m altitude and below 35°C (as a permanent temperature). Consult your technical expert if your needs exceed these parameters.

GENERATORS, DIESEL, 6 TO 15 KVA

STANDARD

CODE: NOT APPLICABLE

DESCRIPTION

Diesel generator for use when mains electricity supply is not available/reliable. Due to their large size and weight, local purchase is strongly recommended.

These generators can come with trailer option for easy set up and mobility in emergency responses–on-site or on-road trailer, speed restrictions apply.

PRICE

NOTE: The prices below are given to provide an approximate guide and will vary greatly depending on the specification and buying location.

Ex Works ESTIMATE
6 kVA 4200 GBP per unit
7.5 VA 4800 GBP per unit
12 kVA 5800 GBP per unit
15 kVA 7000 GBP per unit

TECHNICAL SPECIFICATION

Wiring
Generally 3-phase, but single phase wiring setup is sufficient if available.

Engine Type
Diesel engine, 4 stroke, without turbo charger, direct injection, water cooled, 1500rpm, electric start

Electronics
Alternator, self regulating, self excited, 240/400V 3 phase, 10% overload capacity for 1.5hour. Insulation class H. Flanged coupled with engine

Control Panel
Control panel should be accessible from outside and should include:

- Voltmeter (x3)
- Ammeter (x3)
- Frequency meter (x1)
- Hour counter
- Water temperature gauge
- Oil pressure gauge
- charge warning light.
- Starter key (+1 spare key).
- Emergency stop push on switch
- Receptacle 3 x 220V Euro type, minimum with 1 circuit breaker per receptacle.
- Main/Off/Generator switch.
- Differential circuit breaker rated 300mA

Typical Fuel Consumption at 100%

6kVA	1.9L/hour
7.5kVA	2.9L/hour

Power	12kVA	4.2L/hour
	15kVA	5.2L/hour

Supply of spare parts and technical support for maintenance and repair are major issues in the long run. The availability of spare parts and options for maintenance should always be considered when purchasing a generator. The generator should always be supplied with a first maintenance set including:

Line item	Description	Quantity
Air Filter	Pce	5
Fuel Filter	Pce	10
Oil Filter	Pce	10

PACKING INFORMATION

All packing information is approximate – please refer to manufacturer for actual weights and dimensions.

Description	Dimensions (m)	Weight (kg)
Generator, 6kVa, 240/400V, tri diesel, 1500 rpm	1.42x0.75x1.12m	450
Generator, 7.5kVa, 240/400V tri. Diesel, 1500 rpm	1.2m³; 1.72x0.70x1.30m	480
Generator, 12kVa, 240/400V tri. Diesel, 1500 rpm	1.57m³; 1.72x0.70x1.30m	500
Generator, 15kVa, 240/400V tri. Diesel, 1500 rpm	1.57m³; 1.72x0.70x1.30m	500

SECURITY

PRODUCT	CODE
FIRE EXTINGUISHER (VARIOUS)	SS006
LIFE JACKET	SS001
ALARM, CARBON MONOXIDE	SS002
ALARM, SMOKE	SS003
FIRE BLANKET	SS004
BLAST FILM	SS008
HELMETS, BALLISTIC	SS010
FIRST AID KIT	SS011

USER GUIDELINES: SECURITY

Security is intertwined with all other programmes areas. For example, ensuring that vehicles are in good condition, carrying spare batteries, having working radios for communications and carrying a first aid kit could all make the difference between a secure and insecure situation.

Liaise with your local and regional security officers to check security requirements in your areas and workplaces. It is vital that all staff who may need to use security equipment are able to use it correctly, and have been trained if necessary. Owning the correct equipment will be of no use if staff are not able to utilise it.

If possible, select equipment that conforms to the European standards, as these standards are generally more stringent. Otherwise, the UN standards can be used.

FIRE EXTINGUISHER (VARIOUS) STANDARD

CODE: SS006

DESCRIPTION

Wall extinguishers designed to be carried and operated by hand, The type (e.g. powder, CO_2, water, foam) and size (e.g. 1kg, 2kg, 3kg, 4kg) must be specified.

PRICE

Ex Works ESTIMATE
25 GBP – 75 GBP per unit

TECHNICAL SPECIFICATION

Standard: Manufactured to BS EN 3 and/or ISO 7165:2009 and bear a mark of compliance with BS EN 3 (or equivalent).

Markings: Inscribed with the date (month, year) of the next recurrent inspection or of the maximum permissible period of use. Fitted with a seal verifying they have not been used.

Options:

Type	Usage
Powder:	Often termed the 'multi-purpose' extinguisher
CO_2:	Carbon Dioxide is ideal for fires involving electrical apparatus
Water:	The cheapest and most widely used fire extinguishers. Used for Class A fires. Not suitable for Class B (Liquid) fires
Foam:	More expensive than water

Size: Recommended sizes between 1 kg and 4kg

Types of Fire: (European Standard)

Type	Usage
Class A:	fires involving flammable solids, e.g. wood, cloth, rubber, paper, and some types of plastics.
Class B:	fires involving flammable liquids or liquefiable solids, e.g. petrol, oil, paint and also some waxes & plastics, but not cooking fats or oils.
Class C:	fires involving flammable gases, e.g. natural gas, hydrogen, propane, butane.
Class D:	fires involving combustible metals, e.g. sodium, magnesium, and potassium.
Class E:	fires involving any of the materials found in Class A and B fires, but including electrical appliances, wiring, or other electrically energized objects in the vicinity of the fire, with a resultant electrical shock risk.
Class F:	fires involving cooking fats and oils. The high temperature of these types of fats and oil when on fire far exceeds that of other flammable liquids which means that normal fire extinguishers should not be used.

PACKING INFORMATION

Varies depending on option. Please note that there may be specific restrictions on shipping pressurised goods.

LIFE JACKET

STANDARD

CODE: SS001

DESCRIPTION

Lightweight and compact lifejacket with 175N buoyancy suitable for inland waterways. Adjustable to suit a range of body types.

PRICE

Ex Works ESTIMATE
40 GBP per jacket

TECHNICAL SPECIFICATION

Buoyancy:	175N buoyancy
Fitting:	Light fitting option, integral Lifting Becket, quick fastening buckle system
Standard:	European Standard EN396
Guarantee:	5 year guarantee

ALARM, CARBON MONOXIDE — STANDARD

CODE: SS002

DESCRIPTION

The alarm detects the presence of the carbon monoxide gas in order to prevent carbon monoxide poisoning. The detector is designed to measure CO levels over time and sound an alarm before dangerous levels of CO accumulate in an environment, giving adequate warning to safely ventilate the area or evacuate.

PRICE

Ex Works ESTIMATE
20 USD per unit

TECHNICAL SPECIFICATION

Standard:	British Standard EN 50291 or equivalent. Alarm should be 85 dBA at 10 feet.
Quality:	Must carry British or equivalent approval mark, such as a Kitemark
Comments:	Ensure spare batteries can be purchased in country.

ALARM, SMOKE — STANDARD

CODE: SS003

DESCRIPTION

The alarm detects the presence of smoke, typically as an indicator of fire. At high levels of smoke the alarm will emit a loud alarm sound.

PRICE

Ex Works ESTIMATE
10 USD per unit

TECHNICAL SPECIFICATION

Standard:	British Standard EN 50291 or equivalent. Alarm should be 85 dBA at 10 ft
Quality:	Must carry British or equivalent approval mark, such as a Kitemark
Comments:	Ensure spare batteries can be purchased in country.

FIRE BLANKET — STANDARD

CODE: SS004

DESCRIPTION

The fire blanket is designed to extinguish small incipient (starting) fires. It consists of a sheet of fire retardant material which is placed over a fire in order to smother it.

PRICE

Ex Works ESTIMATE
20 USD per unit

TECHNICAL SPECIFICATION

Standard:	British Standard EN 50291
Quality:	Must carry British or equivalent approval mark, such as a Kitemark
Size:	1.8 x 1.2 m or 1.2 x 1.2 m available

BLAST FILM — STANDARD

CODE: SS008

DESCRIPTION

Bomb-blast safety and security window film. Film contributes to making glass safe in a bomb blast, explosion or extreme weather conditions.

PRICE

Ex Works ESTIMATE
36 GBP per 2.4m² film

TECHNICAL SPECIFICATION

Colour:	Clear
Strength:	175 micron
Specification:	ISO Draft 16933 Explosion Resistant Security Glazing in Buildings
Certification:	Class 1B1 of BS EN 12600 and Class A of BS 6206 1981

HELMETS, BALLISTIC

STANDARD

CODE: SS010

DESCRIPTION

Lightweight protective helmet. The size must be specified.

PRICE

Ex Works ESTIMATE
200 USD per unit

TECHNICAL SPECIFICATION

Ballistic Protection:	Up to NIJ IIIA
Fragmentation Protection:	V50 of 650m/sec using the 1.1g FSP

FIRST AID KIT

STANDARD

CODE: SS011

DESCRIPTION

Full first aid kit

PRICE

PRICE VARIES DEPENDING ON CONTENTS

TECHNICAL SPECIFICATION

Typical contents should include:

Item	Qty
First Aid Kit Bag	1
Quickclot – Advanced Clotting Sponge	3
Suction Easy	1
Sam Splint 36 inch	3
CPR Mask	1
Emergency Bandage – Haemorrage Control Compression Bandage with pressure applicator and closure bar	5
Medical Adhesive Tape 1 inch	2
Crepe Bandage 7.5cm x 4m	2
Cotton Bandage 5cm x 3m Individually wrapped	5
Plaster Roll – self adhesive zinc oxide 2.5cm x 5m	2
Scissors Heavy Duty – for removal of casualties clothing	1
Scissors Stainless Steel small	1
Tourniquet	3
Tape Heavy Duty Self Adhesive medical tape for splints and immobilising 7cm x 3m	3
Vent Aid	1
Alcoholic Wipes	20
Plasters Assorted waterproof	pack
Melolin Dressing 10cm x 10 cm	5
Inadine Dressing 9.5cm x 9.5cm	5
OPA - Oropharyngeal Airway – sizes 1, 2 , 3 and 4	2 sets
NPA – Nasopharyngeal Airway – sizes 5, 6 and 7	2 sets
Triangular Bandage	3
Gloves	20

BRANDED PRODUCTS

PRODUCT	CODE
T-SHIRTS	ID01
POLO SHIRTS	ID02
STICKERS	ID06 (small), ID07 (large)
FLAGS	ID13 (small), ID14 (large)

USER GUIDELINES: BRANDED PRODUCTS

These branded products are used by staff and volunteers in the field. Branded products should not be used if so doing so results in a security risk. Country programmes are encouraged to source these items through local suppliers where possible. A range of branded items are possible (e.g. hats, fleeces, tape), and country offices are advised to consult the Save the Children International Branding Guidelines for necessary guidance.

T-SHIRT, SAVE THE CHILDREN LOGO (S, M, L, XL, XXL)

STANDARD

CODE: ID01

DESCRIPTION

Red t-shirt shirt with white printed Save the Children logo.

PRICE

Ex Works ESTIMATE
150 GBP per 50 units

TECHNICAL SPECIFICATION

Material:	100% cotton
Sizes:	Small, Medium, Large, X-Large, XX-Large
Fabric Weight:	165 gsm
Printing:	Logo on front and back
Likely min. order quantity:	50 units

POLO SHIRT, SAVE THE CHILDREN LOGO (S, M, L, XL, XXL)

STANDARD

CODE: ID02

DESCRIPTION

Red polo shirt with white printed Save the Children logo.

PRICE

Ex Works ESTIMATE
300 GBP per 50 units

TECHNICAL SPECIFICATION

Material:	100% cotton
Sizes:	Small, Medium, and Large
Fabric Weight:	180 gsm
Printing:	Logo on front and back
Likely min. order quantity:	50 units

STICKERS, SAVE THE CHILDREN LOGO (SMALL & LARGE)

STANDARD

CODE: ID06 (small), ID07 (large)

DESCRIPTION

White sticker with red and black Save the Children logo.

PRICE

Ex Works ESTIMATE
100 GBP per 50 units

TECHNICAL SPECIFICATION

Material:	Vinyl
Sizes:	Large = 30cm x 30cm Small = 15 cm x 15cm
Likely min. order quantity:	50 units

FLAGS, SAVE THE CHILDREN LOGO (SMALL & LARGE)

STANDARD

CODE: ID13 (small), ID14 (large)

DESCRIPTION

Red flag with white printed Save the Children logo.

PRICE

Ex Works ESTIMATE
Small: 450 GBP per 50 units
Large: 525 GBP per 50 units

TECHNICAL SPECIFICATION

Material:	100% polyester
Sizes:	Large = 100cm x 80cm Small = 60 cm x 40cm
Likely min. order quantity:	50 units

EMERGENCY SUPPLY STRATEGY

USER GUIDELINES: EMERGENCY SUPPLY STRATEGY

For large scale rapid onset emergencies affecting over 100,000 children, SCUK has prepositioned stocks for a response. The purpose of this document – the Emergency Supply Strategy – is to indicate to programmes both the locations of this stock for such a large scale emergency response, and the types of goods they should be looking to source for a small scale response.

This Emergency Supply Strategy has been designed to assist first phase emergency response by specifying sets of items that may be required to set up a first-phase emergency response for 8000 families in each of the six programme sectors: Child Protection, Education, Health, Nutrition, Shelter and WASH. There is also a limited list of communications items for programme support.

Many of the listed items are held in stock in Dubai, are held as "virtual stocks", or are items for which Save the Children has an agreement with a supplier. It is intended that all stock in Dubai and virtual stock would be dispatched within 48 hours, with all items on contract dispatched within 4 weeks. However, please note that there is no guarantee that the listed stocks will be available – stocks may be depleted due to prior emergencies and not yet restocked; or depending on the particular situation it may prove more beneficial to source items elsewhere.

For the current status of stocks, please contact Giorgio Figus in the Emergency Logistics Team on g.figus@savethechildren.org.uk.

CHILD PROTECTION

Activity	Item	Qty Recm'd
Child Protection Kits	Child Friendly Space kit	12
	Family Tracing kit	5

EDUCATION

Activity	Item	Qty Recm'd
Education Kits	Teachers's School kit	10
	School kit	10
	Children's Schoolbag kit	500
	School Recreation kit	10
	Early Childhood Development kit	20

HEALTH

Activity	Item	Qty Recm'd
Primary Health Care / Mobile Clinics	IEHK full kit	2
	IEHK basic kit + malaria module	2
	PEP	1
	ORS sachets	5000
	Foldable chairs	10
	Foldable tables	10
	Medical bags (large)	10
	Large lockable trunks to store medicines for mobile teams	10
	Foldable shelving (for medicines)	3
	Tents for mobile clinics (27m^2)	12
	Alcohol hand gel (500ml bottles)	30
	Sharps bins	20
	Stethoscopes	10
	Digital oral thermometers (battery powered)	20
	Room thermometers for pharmacy store	3
	Syphygnomanometer	10
	Battery powered Otoscope plus extra batteries	10
	Foldup examination patient couch	10
	Water purification tablets (100 tabs in a box)	10
	Tongue depressors (box of 100)	10
	Tourniquet, standard medical	10
	Gloves non-sterile, box of 100	10
	Fetoscope	20
	IV stand	10
	First aid kits	10
	Clipboard	10
	Cups	200

	Water filter - large	10
	Padlocks (combination)	10
Public Health Interventions	Long lasting insecticide treated nets (190x180x150cm).	16,000
	Health education pack (Asia specific)	30
	Health education pack (Afica specific)	30
	Megaphones	10
Specific outbreaks	IDDK Diarrhoea kits	1
	Cholera beds	15
	Dual solar gas fridge	3
	Vaccine carrier (1.8 litres) plus 4 ice packs	20
	Cold box (22 litres) plus 24 ice packs	2
	Needles, 19, 21 and 23 guage (box of 100)	15
	Syringes - 5 and 10 ml (box of 100)	10
Reproductive health	Interagency Reproductive Health kits	200
	New born baby kits	200
General	Save the Children t-shirts	100
	Save the Children stickers / logos	50
	Vehicles with side seats	1

NUTRITION

Activity	Item	Qty Recm'd
CMAM – SC, OTP and SFP (Community Based Management of Acute Malnutrition - Stabilisation Centres; Outpatient Therapeutic Programmes; Supplementary Feeding Programmes)	Infant bench scale/balance beam scale	1
	Salter scale plus parts and pants, 25kg 100gr graduation	21
	Board, Height/Length & Head Block (130cm long)	21
	F75 (carton of 20 sachets)	9
	F100 (carton of 30 sachets)	2
	Plumpynut (carton of 150 sachets)	370
	MUAC tapes	600
	Resomal (carton of 130 sachets)	1
	SAM health education card	500
	Breast feeding health education card	500
	Valid CTC manual	1
	BP5 (carton of 24 boxes, 12kg)	1,805
	Vitamin A (Retinol), 50,000 IU, stabil., soft gelat. caps. (bottle of 500)	11
	Vitamin A (Retinol), 100,000 IU, stabil., soft gelat. caps. (bottle of 500)	11
	Vitamin A (Retinol), 200,000 IU, stabil., soft gelat. caps. (bottle of 500)	11
Blanket Supplementary Feeding Programme (SFP) - under 5s and Pregnant and Lactating Women (PLW)	BP5 (carton of 24 boxes)	25,000
Technical infant feeding interventions	Generic ready to use infant formula	225,000
	Delphia generic powdered infant formula (carton)	470
	Plastic cups	1,500

SHELTER

Activity	Item	Qty Recm'd
General	Plastic sheet, 4 x 6m	16,000
	Blankets, 100% PE	40,000
	Buckets, 14l with lid	8,000
	Jerry can, collapsible (10L)	8,000
	Family tent, 17.5m^2	8,000
	Shelter Repair kit	400
	Kitchen Set	800

WASH

Activity	Item	Qty Recm'd
Toolkits	Engineers Tool Kit	3
	Engineers first aid kit	3
Water lifting / pumping	SQ5-70 Grundfos submersible pump and motor complete (Code BSQ5-70/1)	6
	6KVA generator kit (Code KG6/1)	6
	India Mark II, hand pump w. 40m rising pipe	30
	Well tripod kit	3
	Survey auger kit	3
	2" Pumpsets Kestrel 101/Briggs & Stratton, Petrol, Lightweight Pumpset Kit	6
Water storage / Distribution	Sand Bags	1,000
	30 m^3 Onion PVC Tank	3
	6 m^3 Trucking Bladder PVC Tank	8
	10 m^3 PVC Ground Bladder Tank	8
	Distribution Tapstand	30
	32 mm (OD) PE Distribution Pipe Kit, 50m	6
	90 mm (OD) Distribution Fittings Kit for PE (&uPVC) Pipe	1
	90 mm(OD) HPPE Distribution Main Kit 500m in 50m coils	1
	Distribution Adaptation Kit	3
	PTFE tape (pack of 100)	15
Water Treatment & Testing	Chlorine Granules - Sodium Dichloroisocyanurate Dihydrate	6
	Combined flocculent and disinfectant sachet	840
	Consumables for Delagua Water Testing Kit	3
	Autoclave sterilisation tape	15
	BH dip meter 100m length	3
	Chemical water quality test kit	3
	Delagua water testing kit	3
	Water Quality Measuring and testing kit	3
	Non electric steam steriliser kit	3
	Pooltester for Chlorine/pH Testing	60

	DPD1 Water Testing Tablets	120
Sanitation (toilets + solid waste disposal)	Self-Supporting Plastic Squatting Slab (pallet of 35 units)	10
	Oxfam Latrine Digging Kit	3
	Oxfam Emergency Handwashing Device	600
	Woven Flexible Tarpaulin	21
	Sand Bags (pack of 50)	300
	Solid waste Kit (cleaning materials)	15
	Protective Items Kit	3
Health & Hygiene (with NFI)	Set of electronic training and visual aid kit for community mobilisation / sensitisation	1
	Megaphone with rechargeable batteries	15
	Child to Child Kit (Puppets)	3
	Health information, education & comms kit	3
	Oral Rehydration Salts Kit	3
	Oral Rehydration Salts Accessory Kit	24
	Poster Sets (Safe water treatment and storage, handwashing, safe food preparation and storage)	2000
	Stickers for water tanks/tankers (Safe water treatment, handling and storage)	50
	Demonstration card sets (Safe water treatment and storage, handwashing, safe food preparation and storage)	60
Mini Hygiene kits	Bucket with lid, and tap, 20L	2,000
	Sanitary towels, packet of 10 x 2	
	Soap, hand use, 125g bar (per person/month, Sphere 2004) x 10	
	Collapsible Jerry Can, 10L	

PROGRAMME SUPPORT

Support Area	Item	Qty Held
Communications	Codan NGT VR HF Mobile Station	5
	Codan NGT VR HF Base Station	1
	Motorola GP340 Hand-Held	5
	Motorola GM360 VHF Mobile	2
	Motorola GM360 VHF Base	2
	Isatphone Pro Handset	2
	Thuraya XT Sat Phone	5
	Iridium Motorola 9555 Sat Phone	2
	BGAN Explorer 300	1
	BGAN Explorer 500	1
	BGAN Explorer 700	1

Save the Children
TARE
52,910 LBS
2,200 KGS
4,850 LBS
NET
21,800 KGS
48,060 LBS
CU.CAP.
33.2 CU.M.
HYUNDAI
Baskin 31 Robbins